EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Akron's nonagricultural wage and salary employment decreased 1,400 from October, to 260,200 in November. Most of the loss occurred in manufacturing, down 1,100 to 75,000 for the month, due to cutbacks by producers of automotive parts. Nonmanufacturing slipped fractionally, as seasonal losses in services and construction were moderated by gains in education and retailing. The workweek and hourly earnings of the average factory production worker, at 41.1 hours and $9.68 an hour, were little changed from October.

Canton.--Nonfarm employment in Canton totaled 156,900 in November, down slightly from October. Decreases in primary and fabricated metals lowered manufacturing by 300, to 55,500 for November. Seasonal changes resulted in a slight gain for nonmanufacturing. Earnings of factory production workers rose 11¢, to $10.07 an hour. Their average workweek was one hour longer, at 40.7 hours.

Cincinnati.--Nonfarm establishments in Cincinnati employed 609,900 workers in November, down 500 from October. The decrease occurred in nonmanufacturing, as seasonal declines in services and construction were partially offset by preholiday growth in retail trade. Manufacturing, on the other hand, increased 400 for the month, to 162,200 in November. The average workweek for factory production workers, at 40.9 hours, was up .2 hours from October. Their average hourly earnings rose 5¢, to $9.02 for November.

Cleveland.--Cleveland's nonagricultural wage and salary employment totaled 899,500 in November, up 600 from October. Gains in government and retail trade lifted nonmanufacturing, despite seasonal losses in construction and services. Manufacturing employment slipped 1,300, to 249,500 for the month, with largest losses reported in primary metals and motor vehicles. Production workers in manufacturing grossed $9.81 per hour for a workweek of 40.8 hours, little changed from October.

Columbus.--Nonfarm payroll employment in the Columbus area gained 800 from October, to 526,500 in November. Expansion in retailing was mainly responsible for the gain. Manufacturing was down 600, to 93,300 for the month, with declines concentrated among durable-goods producers. The average workweek of factory production workers increased .4 hours, to 40.2, while their hourly earnings rose 11¢, to $8.98 in November.

Dayton.--Nonagricultural establishments in the Dayton area employed 359,000 wage and salary workers in November, down 300 from October. Much of the loss was due to decreases in durable-goods industries, lowering manufacturing 200, to 100,100 for the month. Seasonal gains in retailing moderated shrinkage in other nonmanufacturing industries. The workweek for the average factory production worker, at 41.4 hours, and his average hourly earnings, at $9.97, were little changed from October.

Toledo.--November payroll employment in Toledo totaled 295,500, down 1,300 from October. The loss in manufacturing--down 1,000, to 74,000 in November--was concentrated among durable-goods industries. Nonmanufacturing decreased slightly, as seasonal hiring in education and retail trade was more than offset by losses in construction and services. Average hourly earnings for factory production workers dipped slightly from October, to $10.12 in November. The average workweek, at 41.1 hours, was on par with October.

Youngstown-Warren.--Workers on nonfarm payrolls in the Youngstown-Warren area numbered 202,300 in November, up 800 from October. Nonmanufacturing accounted for the gain as schools added personnel. Manufacturing, at 68,700, was unchanged from October. Increases in fabricated metal products were offset by cutbacks in other industries. Production workers in factories grossed $11.63 per hour, up 9¢ from October. The average workweek, at 40.5 hours, was up .6 hours for the month.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 12-16-81

EMPLOYMENT IN MAJOR METROPOLITAN AREAS*

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[i]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1970	244.7	140.2	907.3	854.6	409.1	391.4	263.1	195.5
1971	244.1	138.1	901.9	829.3	410.9	387.4	263.7	198.1
1972	248.1	143.6	912.0	838.0	431.6	395.5	272.4	201.1
1973	255.1	147.9	934.3	865.2	451.0	395.6	285.8	211.6
1974	259.0	152.1	942.2	873.2	457.6	394.9	285.6	213.5
1975	248.4	144.6	931.2	850.6	445.4	381.4	275.5	200.7
1976	247.3	145.9	941.8	840.2	456.1	391.5	282.6	203.9
1977	239.9	145.8	962.1	836.9	471.6	389.1	292.1	208.0
1978	256.6	158.2	991.2	865.6	493.0	398.5	308.1	210.3
1979	270.9	160.7	1007.4	919.0	507.3	404.9	305.9	219.9
1980	263.2	157.2	984.9	865.0	515.1	386.5	294.2	209.3
1980								
November.	264.4	156.9	989.6	884.4	509.6	390.1	293.5	202.9
December.	263.7	156.5	980.6	887.1	506.0	391.0	293.7	199.1
1981								
January .	264.5	153.4	985.9	885.6	510.7	392.5	291.0	194.5
February.	263.4	153.0	986.3	881.2	509.8	392.4	287.4	195.8
March ...	259.7	153.2	988.6	886.9	513.6	395.8	292.1	196.9
April ...	260.1	155.8	987.7	895.2	517.3	397.6	295.7	199.7
May	262.8	156.9	990.5	897.4	521.0	398.0	296.0	203.4
June	267.6	157.1	993.2	906.9	522.7	397.4	299.4	204.9
July	265.1	156.5	992.9	901.0	514.9	391.5	290.9	200.8
August ..	265.6	156.8	991.6	898.0	514.8	390.8	288.9	197.3
September	261.9	157.0	991.8	896.8	518.8	388.5	293.2	202.2
October .	261.8	157.6	990.4	893.0	525.2	394.3	296.8	201.5
November.	260.0	156.3	989.3	888.5	526.5	389.0	295.5	202.3
	MANUFACTURING EMPLOYMENT (in thousands)							
1970	86.4	62.4	183.3	296.8	108.1	126.3	89.4	86.1
1971	81.3	58.6	169.1	273.5	98.4	112.8	86.2	88.4
1972	84.3	63.4	168.9	277.9	100.8	114.3	88.8	87.9
1973	94.1	67.7	175.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	68.2	168.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	59.9	153.9	260.3	93.1	100.1	80.7	80.8
1976	90.3	64.8	158.6	265.1	98.2	104.0	84.6	80.6
1977	88.6	66.7	161.1	270.8	98.9	103.2	88.2	81.1
1978	95.3	67.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	98.6	69.1	173.1	296.3	101.1	109.5	88.0	79.9
1980	93.4	64.8	164.3	255.0	96.7	99.9	74.9	70.5
1980								
November.	90.0	58.4	164.2	252.5	96.8	99.7	76.5	69.9
December.	77.8	54.5	163.8	259.6	96.3	99.5	77.1	65.2
1981								
January .	72.8	54.2	163.3	251.4	95.9	98.9	75.3	65.2
February.	76.7	54.7	162.7	250.0	94.6	99.3	72.8	63.7
March ...	77.9	53.9	161.8	249.7	94.8	100.3	75.8	66.5
April ...	78.1	55.2	162.4	250.7	94.4	100.3	76.6	69.7
May	77.5	55.1	162.4	250.9	94.8	100.5	76.6	69.7
June	77.1	55.6	163.4	253.4	94.6	100.2	76.9	69.8
July	75.8	55.8	161.7	252.2	93.4	99.8	75.3	68.9
August ..	75.5	55.1	161.6	249.9	93.1	99.0	75.9	66.6
September	76.9	56.1	163.0	252.1	94.7	101.6	77.9	69.3
October .	76.1	55.8	161.8	250.8	93.9	100.9	75.0	68.7
November.	75.0	55.5	162.2	249.5	93.3	100.1	74.0	68.7

*Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i]Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1970	57.3	46.9	116.3	204.2	71.8	96.0	62.7	68.2
1971	55.8	43.2	111.5	187.4	68.8	82.3	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	89.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	69.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	45.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8[k]	43.2	117.0	188.6	69.1	74.4	61.3	62.5
1980	47.6	40.0	107.8	169.3	64.5	65.9	49.3	53.9
1980								
November.	47.1	39.2	108.8	167.2	64.2	66.1	51.0	53.2
December.	46.1	39.5	108.6	168.1	63.8	65.8	51.5	49.2
1981								
January .	44.8	39.6	107.8	166.3	63.0	65.3	49.7	48.9
February.	45.8	39.5	107.4	165.2	62.3	65.3	47.1	47.3
March ...	46.6	38.8	106.7	164.7	62.4	66.2	49.9	50.1
April ...	46.7	39.9	107.1	165.7	62.6	66.2	50.7	53.3
May	46.2	39.9	106.9	165.9	62.4	66.4	50.7	53.2
June	45.9	40.5	107.6	167.9	62.3	66.1	51.0	53.2
July	44.6	40.8	105.7	166.5	61.3	65.6	49.3	52.1
August ..	44.2	40.9	105.8	164.3	60.8	64.8	50.1	50.1
September	45.5	41.0	107.5	166.7	61.8	67.3	52.0	52.6
October .	44.8	40.7	106.5	165.5	60.8	66.3	49.4	52.2
November.	43.7	40.3	106.9	164.1	60.2	66.1	48.5	52.2
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1970	40.7	40.3	40.8	40.3	40.2	40.9	41.1	40.0
1971	40.6	38.9	41.0	40.5	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1980								
November.	42.3	39.2	41.9	41.5	39.7	42.4	41.3	41.6
December.	42.5	40.4	42.6	42.6	40.4	43.1	41.7	41.7
1981								
January .	42.0	39.7	41.7	41.2	40.1	41.7	40.8	41.5
February.	41.5	40.0	41.0	41.0	39.7	41.0	40.1	40.6
March ...	41.9	40.3	41.1	41.4	39.9	41.4	41.2	40.8
April ...	42.1	40.0	40.8	41.2	39.7	42.0	40.8	41.3
May	42.4	40.1	41.4	41.6	39.9	41.8	41.2	40.8
June	42.4	40.4	41.3	42.1	39.9	42.5	41.3	41.4
July	41.9	39.8	40.9	40.7	39.4	41.6	40.4	40.5
August ..	41.7	39.6	40.6	41.2	40.3	41.9	40.3	41.8
September	40.8	40.1	41.2	41.0	40.0	40.9	41.6	41.6
October .	41.2	39.7	40.7	40.8	39.8	41.3	41.1	39.9
November.	41.1	40.7	40.9	40.8	40.2	41.4	41.1	40.5

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j]Youngstown-Warren includes Mahoning and Trumbull Counties. [k]Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1970	$4.04	$3.78	$3.62	$3.84	$3.51	$4.18	$3.91	$4.09
1971	4.36	4.09	3.89	4.15	3.77	4.49	4.26	4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.89	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.69	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1980								
November.	9.14	9.12	8.49	9.11	8.29	9.31	9.44	11.01
December.	9.15	9.29	8.52	9.32	8.28	9.31	9.56	11.26
1981								
January .	9.19	9.27	8.52	9.26	8.27	9.32	9.59	11.34
February.	9.22	9.55	8.59	9.31	8.30	9.25	9.50	11.49
March ...	9.31	9.60	8.58	9.40	8.36	9.39	9.65	11.59
April ...	9.36	9.67	8.59	9.59	8.45	9.57	9.66	11.62
May	9.50	9.67	8.68	9.59	8.47	9.52	9.71	11.58
June	9.59	9.76	8.67	9.78	8.57	9.72	9.91	11.67
July	9.57	9.79	8.71	9.64	8.51	9.66	9.85	11.61
August ..	9.60	9.78	8.78	9.71	8.63	9.87	9.85	11.76
September	9.64	9.86	8.91	9.78	8.77	9.72	10.06	11.66
October .	9.66	9.96	8.97	9.82	8.87	9.98	10.13	11.54
November.	9.68	10.07	9.02	9.81	8.98	9.97	10.12	11.69
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1970	$164.43	$152.33	$147.70	$154.75	$141.10	$170.96	$160.70	$161.20
1971	177.02	159.10	159.49	168.49	149.29	182.29	176.36	184.64
1972	197.03	181.89	173.89	190.35	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.46	177.89	216.50	215.99	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.58	273.14	260.89	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	309.37	337.60	282.71	336.80	332.33	377.89
1980	361.88	342.81	330.07	350.38	305.34	358.38	361.34	409.77
1980								
November.	386.62	357.50	358.22	378.07	324.73	390.50	389.87	458.02
December.	388.88	375.32	362.95	397.03	334.51	401.26	398.65	469.54
1981								
January .	385.98	368.02	355.28	381.51	331.63	383.64	388.82	470.61
February.	382.63	382.00	349.73	381.71	329.51	379.25	380.95	464.06
March ...	390.09	386.88	352.64	389.16	333.96	388.75	397.58	471.65
April ...	394.06	386.80	350.47	392.64	335.47	401.94	394.13	473.91
May	402.80	387.77	353.35	398.94	337.95	397.94	400.05	472.46
June	404.07	394.90	358.07	411.74	341.94	413.10	409.28	483.14
July	400.98	387.25	356.24	392.25	335.29	401.86	397.94	470.21
August ..	400.32	387.29	356.47	400.05	347.79	413.55	396.56	491.57
September	399.31	399.40	367.09	400.98	350.80	397.55	418.50	485.06
October .	397.99	395.41	365.08	400.66	353.09	412.17	416.34	460.45
November.	397.85	409.85	368.92	400.25	361.00	412.76	415.93	471.02

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j]Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In Thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
	AKRON[b]					CANTON[c]			
1970	276.2	262.7	13.6	4.9	1970	162.6	153.2	9.4	5.8
1971	277.5	261.2	16.3	5.9	1971	164.8	152.2	12.6	7.6
1972	282.2	267.4	14.9	5.3	1972	165.6	155.3	10.3	6.2
1973	287.0	274.8	12.2	4.3	1973	171.1	163.1	8.0	4.7
1974	290.3	277.3	13.0	4.5	1974	175.4	167.2	8.1	4.6
1975	291.1	263.5	27.6	9.5	1975	174.2	157.5	16.7	9.6
1976	290.2	265.3	24.9	8.6	1976	173.8	158.0	15.7	9.1
1977	292.9	273.6	19.4	6.6	1977	175.0	162.2	12.8	7.3
1978	297.8	281.1	16.7	5.6	1978	179.2	169.4	9.8	5.5
1979	302.7	284.3	18.3	6.1	1979	183.6	173.1	10.5	5.7
1980	303.1	277.5	25.6	8.5	1980	186.5	169.8	16.7	8.9
1980					1980				
October	309.2	282.8	26.4	8.5	October ...	190.1	172.3	17.8	9.4
November ...	304.6	276.0	28.6	9.4	November ..	185.9	167.6	18.3	9.8
December ...	298.4	271.8	26.6	8.9	December ..	181.7	165.3	16.4	9.0
1981					1981				
January	293.1	262.5	30.6	10.4	January ...	180.6	161.9	18.7	10.4
February ...	292.2	263.4	28.8	9.8	February ..	179.1	161.2	17.9	10.0
March	298.1	271.1	27.0	9.1	March	183.1	165.3	17.9	9.8
April	299.2	277.0	22.2	7.4	April	184.1	169.8	14.3	7.8
May	305.8	281.1	24.7	8.1	May	187.7	172.4	15.3	8.1
June	299.5	273.7	25.8	8.6	June	187.4	171.2	16.2	8.7
July	305.8	276.4	29.3	9.6	July	191.6	173.3	18.3	9.5
August	304.8	274.8	30.1	9.9	August	189.7	172.4	17.4	9.2
September ..	300.8	271.3	29.5	9.8	September .	187.4	167.2	20.1	10.7
October[p] ...	299.8	271.4	28.4	9.5	October[p] ..	185.0	167.6	17.4	9.4
	CINCINNATI[d]					CLEVELAND[e]			
1970	543.0	518.0	25.0	4.6	1970	878.5	833.9	44.6	5.1
1971	550.0	516.0	34.0	6.2	1971	866.3	811.4	54.9	6.3
1972	561.0	529.0	32.0	5.7	1972	873.4	825.3	48.1	5.5
1973	572.0	543.0	29.0	5.1	1973	883.5	848.7	34.8	3.9
1974	595.3	569.8	25.5	4.3	1974	897.7	860.1	37.7	4.2
1975	596.3	551.6	43.6	7.3	1975	894.1	823.7	70.5	7.9
1976	600.6	562.6	38.0	6.3	1976	894.4	831.3	63.1	7.1
1977	619.1	584.6	34.4	5.6	1977	904.7	850.9	53.8	5.9
1978	642.8	610.5	32.3	5.0	1978	918.1	875.2	43.0	4.7
1979	657.9	622.9	35.1	5.3	1979	932.2	886.7	46.5	5.0
1980	674.4	626.8	47.5	7.0	1980	941.6	873.4	68.2	7.2
1980					1980				
October	691.9	642.3	49.7	7.2	October ...	956.2	887.0	71.2	7.4
November ...	679.9	628.1	51.9	7.6	November ..	943.6	865.9	77.8	8.2
December ...	671.4	622.3	49.0	7.3	December ..	927.2	857.6	69.6	7.5
1981					1981				
January	668.3	606.9	61.5	9.2	January ...	913.6	835.5	78.2	8.6
February ...	664.9	607.3	57.6	8.7	February ..	907.8	829.8	78.0	8.6
March	677.5	621.4	56.1	8.3	March	929.8	852.8	77.0	8.3
April	684.7	636.8	47.9	7.0	April	935.3	872.2	63.1	6.7
May	695.5	645.0	50.5	7.3	May	951.4	883.9	67.4	7.1
June	697.2	643.2	54.1	7.8	June	952.0	879.2	72.7	7.6
July	706.2	643.8	62.4	8.8	July	973.1	890.2	83.0	8.5
August	697.6	638.8	58.8	8.4	August	961.0	880.8	80.1	8.3
September ..	695.2	631.1	64.1	9.2	September .	936.4	853.0	83.4	8.9
October[p] ...	694.7	631.4	63.3	9.1	October[p] ..	936.4	856.2	80.3	8.6

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b]Defined as Portage and Summit Counties. [c]Defined as Carroll and Stark Counties. [d]Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e]Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p]Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In Thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
COLUMBUS[f]				
1970	433.5	415.4	18.1	4.2
1971	445.4	425.5	19.9	4.5
1972	469.1	450.2	18.9	4.0
1973	485.3	468.2	17.1	3.5
1974	494.7	474.7	19.9	4.0
1975	493.5	457.1	36.4	7.4
1976	501.7	466.7	35.0	7.0
1977	511.1	481.2	29.9	5.9
1978	529.4	504.6	24.8	4.7
1979	540.9	515.1	25.7	4.8
1980	557.4	525.8	31.6	5.7
1980				
October	578.5	544.6	33.9	5.9
November	571.2	532.4	38.8	6.8
December	557.9	524.4	33.6	6.0
1981				
January	550.4	508.2	42.2	7.7
February	548.2	506.5	41.6	7.6
March	562.0	520.9	41.1	7.3
April	566.6	532.5	34.1	6.0
May	578.5	540.8	37.8	6.5
June	577.1	536.2	40.9	7.1
July	583.7	538.0	45.8	7.8
August	579.5	534.9	44.6	7.7
September	571.9	522.3	49.6	8.7
October[p]	575.8	529.7	46.1	8.0
TOLEDO[h]				
1970	315.8	298.4	17.4	5.5
1971	319.3	300.3	19.1	6.0
1972	329.4	311.3	18.1	5.5
1973	339.8	324.2	15.6	4.6
1974	343.8	324.2	19.7	5.7
1975	344.8	310.2	34.6	10.0
1976	347.3	318.5	28.8	8.3
1977	353.9	328.5	25.4	7.2
1978	361.2	338.8	22.4	6.2
1979	366.4	340.1	26.3	7.2
1980	367.5	329.3	38.2	10.4
1980				
October	374.6	338.5	36.2	9.7
November	370.8	331.8	39.0	10.5
December	364.2	327.9	36.3	10.0
1981				
January	357.9	317.8	40.1	11.2
February	356.8	313.8	43.0	12.1
March	364.6	324.6	40.0	11.0
April	365.9	333.8	32.1	8.8
May	373.9	340.2	33.8	9.0
June	374.1	339.3	34.7	9.3
July	375.1	335.4	39.6	10.6
August	372.2	332.5	39.8	10.7
September	367.8	326.6	41.2	11.2
October[p]	374.0	331.8	42.2	11.3

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
DAYTON[g]				
1970	353.8	337.6	16.2	4.6
1971	349.3	326.0	23.3	6.7
1972	353.6	336.3	17.3	4.9
1973	357.9	343.4	14.5	4.0
1974	358.9	341.9	17.0	4.7
1975	356.5	326.7	29.8	8.4
1976	359.2	335.0	24.1	6.7
1977	366.6	346.4	20.2	5.5
1978	379.6	362.3	17.3	4.6
1979	390.6	366.5	24.1	6.2
1980	389.0	359.8	29.2	7.5
1980				
October	398.3	370.1	28.2	7.1
November	390.8	360.8	30.0	7.7
December	384.2	356.6	27.5	7.2
1981				
January	379.5	347.5	32.0	8.4
February	377.8	347.3	30.5	8.1
March	387.5	357.5	30.0	7.8
April	389.1	364.3	24.8	6.4
May	397.2	369.4	27.8	7.0
June	393.7	364.0	29.7	7.5
July	399.2	364.1	35.1	8.8
August	394.7	360.9	33.8	8.6
September	391.3	357.1	34.3	8.8
October[p]	392.1	358.8	33.2	8.5
YOUNGSTOWN-WARREN[i]				
1970	218.5	205.1	13.4	6.1
1971	225.0	207.1	17.9	8.0
1972	226.9	212.1	14.8	6.5
1973	232.4	221.7	10.7	4.6
1974	236.3	223.3	13.0	5.5
1975	236.0	209.1	26.9	11.4
1976	233.4	209.8	23.6	10.1
1977	233.0	214.0	18.9	8.1
1978	234.3	216.6	17.7	7.5
1979	236.2	219.1	17.1	7.2
1980	237.5	209.5	28.0	11.8
1980				
October	241.5	214.0	27.5	11.4
November	236.5	207.3	29.2	12.4
December	230.8	200.8	29.9	13.0
1981				
January	231.4	195.8	35.6	15.4
February	228.3	193.8	34.5	15.1
March	228.4	200.8	27.6	12.1
April	229.5	208.3	21.1	9.2
May	234.1	213.1	21.0	9.0
June	233.5	211.5	22.0	9.4
July	237.1	211.8	25.3	10.7
August	234.2	206.8	27.4	11.7
September	231.0	205.2	25.8	11.2
October[p]	230.2	204.9	25.3	11.0

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f]Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Defined as Greene, Miami, Montgomery, and Preble Counties. [h]Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i]Defined as Mahoning and Trumbull Counties. [p]Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1970	4,388	4,152	236	5.4	4.9
1971	4,412	4,125	286	6.5	5.9
1972	4,506	4,256	249	5.5	5.6
1973	4,615	4,417	198	4.3	4.9
1974	4,698	4,474	225	4.8	5.6
1975	4,711	4,282	428	9.1	8.5
1976	4,737	4,367	369	7.8	7.7
1977	4,815	4,504	311	6.5	7.0
1978	4,937	4,670	267	5.4	6.0
1979	5,036	4,739	297	5.9	5.8
1980	5,086	4,659	426	8.4	7.1
1980					
November.	5,112	4,649	463	9.1	7.1
December.	5,004	4,574	430	8.6	6.9
1981					
January .	4,970	4,453	517	10.4	8.2
February.	4,941	4,445	496	10.0	8.0
March ...	5,054	4,584	470	9.3	7.7
April ...	5,076	4,691	385	7.6	7.0
May	5,187	4,773	414	8.0	7.1
June	5,166	4,730	435	8.4	7.7
July	5,246	4,751	495	9.4	7.3
August ..	5,189	4,702	488	9.4	7.2
September	5,104	4,593	511	10.0	7.3
October .	5,112	4,607	505	9.9	7.5
November.	5,151	4,590	562	10.9	7.9

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1970	3,880.6	1,409.9	2,470.7
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,398.8	1,267.5	3,131.4
1980			
November.	4,430.9	1,261.2	3,169.0
December.	4,420.1	1,253.3	3,166.8
1981			
January .	4,303.8	1,239.9	3,063.9
February.	4,297.0	1,237.1	3,059.9
March ...	4,338.8	1,247.7	3,089.1
April ...	4,370.5	1,256.5	3,114.0
May	4,402.3	1,256.4	3,145.9
June	4,422.9	1,261.2	3,161.7
July	4,365.4	1,247.2	3,118.2
August ..	4,355.0	1,242.7	3,112.3
September	4,338.0	1,238.6	3,099.5
October .	4,402.1	1,237.8	3,164.3
November.	4,386.0	1,220.7	3,165.3

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1970	20.6	164.2	225.0	185.0	588.2	154.2	568.0	565.5
1971	20.8	155.2	223.8	185.5	597.3	156.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	599.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.2
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	709.1	185.4	731.4	645.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	183.5	232.1	232.8	742.4	200.6	805.6	674.0
1980	30.8	180.1	225.1	229.4	740.6	205.7	830.2	689.6
1980								
November.	31.3	187.7	224.9	228.6	751.6	206.4	835.5	709.1
December.	31.0	174.6	224.0	228.9	766.3	207.2	830.9	709.9
1981								
January .	30.8	150.2	217.9	227.1	722.0	206.5	818.4	691.1
February.	30.4	146.1	216.9	226.3	709.9	206.1	827.4	696.7
March ...	30.5	152.2	217.7	227.1	715.9	206.6	835.7	697.4
April ...	30.9	163.0	219.7	227.8	729.9	207.1	853.3	692.3
May	21.4	169.7	219.8	227.7	739.5	208.0	862.0	697.8
June	30.3	176.0	220.6	229.4	741.6	209.6	870.0	684.2
July	31.3	181.5	220.8	229.1	738.0	210.1	864.9	642.4
August ..	31.3	182.1	221.3	228.7	740.6	210.5	865.2	692.7
September	31.6	180.6	221.8	228.4	744.0	209.4	870.6	653.1
October .	31.3	180.9	221.8	228.2	742.5	209.2	868.3	682.0
November.	31.3	175.5	221.4	228.1	750.7	208.9	862.5	687.1

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1970	1,409.3	1,002.5	407.4	1,015.2	$157.4	41.2
1971	1,333.8	936.1	397.7	958.1	160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	409.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,386.3	980.5	401.8	979.0	318.5	40.6
1980	1,261.5	885.2	380.3	869.9	302.8	35.3
1980						
November.	1,261.7	881.4	379.8	869.2	325.7	36.0
December.	1,255.5	874.7	378.6	861.2	333.2	36.3
1981						
January .	1,239.9	864.5	375.6	848.5	319.8	34.9
February.	1,237.1	862.9	374.2	845.7	316.6	34.3
March ...	1,247.7	873.9	373.7	856.5	326.8	35.0
April ...	1,256.5	881.4	375.1	865.4	334.9	35.5
May	1,256.4	881.2	375.2	865.3	338.4	35.7
June	1,261.2	884.6	376.6	869.0	345.4	36.0
July	1,247.2	872.9	374.3	854.3	331.6	34.7
August ..	1,242.7	866.2	376.5	850.8	335.1	34.8
September	1,246.6	870.6	380.0	856.7	344.0	35.5
October .	1,257.8	884.0	373.8	847.1	333.3	34.2
November.	1,220.7	849.9	370.8	830.4	330.9	33.8

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1970	$155.09	$157.53	$147.46	40.6	40.6	40.4	$3.82	$3.88	$3.65
1971	167.68	171.36	156.77	40.7	40.8	40.4	4.12	4.20	3.99
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.95	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.98	216.34	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	250.34	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.89	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.38	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.74	358.57	319.39	40.6	40.7	40.2	8.57	8.81	7.96
1980									
November.	374.67	387.61	340.71	41.4	41.5	41.1	9.05	9.34	8.31
December.	386.90	401.00	349.43	42.1	42.3	41.5	9.19	9.48	8.42
1981									
January .	376.83	387.96	347.27	41.1	41.1	41.0	9.17	9.44	8.47
February.	374.33	386.24	343.36	40.6	40.7	40.3	9.22	9.49	8.52
March ...	381.60	395.38	348.39	40.9	41.1	40.7	9.33	9.62	8.56
April ...	387.04	396.93	354.14	41.0	41.0	40.8	9.44	9.73	8.68
May	391.11	403.65	357.93	41.3	41.4	41.0	9.47	9.75	8.73
June	397.44	411.27	359.38	41.4	41.5	41.0	9.60	9.91	8.78
July	388.14	400.49	357.62	40.6	40.7	40.5	9.56	9.84	8.83
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.99	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November.	398.45	411.26	368.34	40.7	40.8	40.7	9.79	10.08	9.05

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1970	69.9	168.2	170.2	228.9	144.3	152.9	81.8	71.2	100.2
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	149.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.6	223.5	117.8	165.8	74.4	67.6	106.7
1980	64.6	139.6	157.5	213.8	107.6	138.7	72.9	67.8	92.9
1980									
November.	64.2	135.8	156.3	210.0	106.4	146.1	71.6	67.6	92.3
December.	63.3	138.4	155.3	210.4	106.0	139.2	71.1	67.3	92.2
1981									
January .	62.7	138.3	151.9	209.0	105.6	135.0	69.9	67.2	91.2
February.	62.3	137.9	152.5	209.9	104.6	133.4	69.6	67.0	90.2
March ...	62.3	139.1	154.9	209.9	103.6	141.2	69.2	67.0	90.2
April ...	63.1	141.5	156.6	209.7	105.0	142.1	68.9	66.7	91.2
May	63.5	141.0	157.0	208.8	105.7	141.4	68.7	66.6	91.1
June	64.1	142.1	157.9	209.0	105.3	141.8	69.8	66.8	90.5
July	63.2	140.0	155.7	206.9	105.7	137.1	69.4	67.1	89.1
August ..	64.0	140.5	153.4	204.1	106.6	133.0	71.8	67.1	88.9
September	63.7	141.6	156.2	206.2	107.5	138.0	73.9	67.3	89.7
October .	62.1	138.1	154.5	204.0	105.5	135.6	70.5	67.4	88.5
November.	62.0	136.0	153.1	202.1	103.0	131.6	69.2	67.0	87.6
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1970	$146.88	$162.41	$161.16	$160.63	$149.11	$175.03	$152.31	$163.51	$153.54
1971	162.36	177.36	173.40	169.33	159.20	198.55	163.49	173.82	162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.09	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.09	213.62	213.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	329.98	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1980									
November.	339.87	460.10	375.66	372.59	340.72	455.18	348.98	336.42	351.46
December.	344.00	476.43	388.44	387.12	348.20	481.57	351.51	346.71	365.01
1981									
January .	334.95	463.56	379.61	377.10	341.07	450.34	352.79	336.93	358.11
February.	330.86	468.54	378.01	377.73	349.48	496.30	351.51	324.63	355.37
March ...	334.14	477.25	390.19	382.39	349.32	447.04	347.24	329.12	367.84
April ...	337.77	495.76	387.73	379.35	354.24	457.19	353.89	337.42	370.71
May	345.24	488.04	394.15	386.46	352.92	466.35	364.50	344.42	366.80
June	348.02	496.69	399.23	392.29	356.59	488.62	357.62	348.91	375.84
July	349.57	486.38	384.71	387.57	353.76	465.03	360.91	346.94	363.69
August ..	353.42	485.48	387.03	392.35	364.67	488.92	361.84	351.16	372.69
September	360.14	504.00	384.40	391.14	364.50	476.63	378.88	364.09	359.96
October .	356.65	475.61	390.98	393.72	366.93	477.02	368.33	356.45	374.54
November.	366.33	489.23	388.40	404.21	367.74	476.10	379.74	364.38	370.58

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	4396.0	4402.1	4430.3	- .4	- 1.0
MANUFACTURING	1220.7	1237.8	1261.2	- 1.4	- 3.2
Durable Goods[e]	849.9	864.0	881.4	- 1.6	- 3.6
Lumber and wood products	13.0	13.2	13.1	- 1.2	- .9
Furniture and fixtures	13.9	15.1	15.2	- 8.1	- 8.9
Household furniture	5.9	7.0	6.7	- 14.9	- 12.2
Stone, clay, and glass products	62.0	62.1	64.2	- .3	- 3.5
Glass and glassware, pressed or blown	14.9	14.9	15.3	.4	- 2.5
Structural clay products	6.3	6.4	6.8	- 2.1	- 8.2
Pottery and related products	6.6	6.7	7.2	- .4	- 7.9
Primary metal industries	136.8	138.1	135.8	- 1.5	.2
Blast furnace and basic steel products	71.0	71.4	68.5	- .6	3.6
Iron and steel foundries	27.3	28.5	28.1	- 4.4	- 2.9
Nonferrous rolling and drawing	19.9	19.9	21.0	.9	- 4.9
Nonferrous foundries	9.3	9.8	10.0	- 5.5	- 7.1
Fabricated metal products	153.1	154.5	156.3	- .9	- 2.1
Cutlery, hand tools, and hardware	13.4	13.5	14.1	- .6	- 4.7
Plumbing and heating, except electric	5.6	5.9	5.6	- 5.0	.0
Fabricated structural metal products	35.6	35.4	37.5	.6	- 5.2
Screw machine products, bolts, etc.	11.0	11.1	10.4	- 1.0	6.2
Metal forgings and stampings	42.3	43.5	44.2	- 2.7	- 4.2
Machinery, except electrical	202.1	204.0	210.0	- .9	- 3.8
Construction and related machinery	26.4	26.3	25.8	.1	2.0
Metalworking machinery	54.3	54.5	57.0	- .4	- 4.9
Special industry machinery	22.4	22.3	23.9	.1	- 6.3
General industrial machinery	37.7	37.7	38.7	- .2	- 2.8
Electric and electronic equipment	103.0	105.5	106.4	- 2.4	- 3.2
Electrical industrial apparatus	24.0	24.4	24.4	- 1.5	- 1.7
Household appliances	20.6	21.5	20.4	- 4.1	1.1
Electric lighting and wiring equipment	19.5	20.0	20.4	- 2.3	- 4.3
Communication equipment	11.9	12.1	12.7	- 1.8	- 6.5
Transportation equipment	131.6	135.6	146.1	- 3.0	- 9.9
Motor vehicles and equipment	85.9	89.6	97.1	- 4.2	- 11.5
Aircraft and parts	36.2	36.5	38.8	- .8	- 6.9
Instruments and related products	20.6	20.9	20.1	- 1.1	2.7
Measuring and controlling devices	12.3	12.6	12.1	- 2.1	1.6
Nondurable Goods[f]	370.8	373.8	379.8	- .8	- 2.4
Food and kindred products	69.2	70.5	71.6	- 2.0	- 3.4
Meat products	11.4	11.3	12.1	1.0	- 5.5
Dairy products	11.5	11.6	12.0	- .6	- 4.0
Bakery products	11.1	11.1	12.3	- .1	- 10.0
Beverages	10.9	11.1	10.9	- 1.8	- .3
Textile mill products	5.1	5.0	5.2	1.5	- 2.8
Apparel and other textile products	17.4	17.5	16.9	- .5	2.8
Paper and allied products	38.5	38.5	38.7	.2	- .4
Paper mills, except building paper	10.0	10.0	10.0	.8	.2
Misc. converted paper products	11.9	11.8	11.8	.5	1.0
Paperboard containers and boxes	13.1	13.1	13.4	- .2	- 2.2
Printing and publishing	67.0	67.4	67.6	- .6	- .8
Newspapers	19.8	19.8	19.9	.0	- .3
Commercial printing	25.9	26.4	26.7	- 1.8	- 2.9
Chemicals and allied products	67.7	68.1	68.2	- .6	- .8
Industrial inorganic chemicals	13.0	13.0	13.1	.3	- .2
Plastics materials and synthetics	9.3	9.7	9.7	- 3.5	- 3.5
Petroleum and coal products	12.7	12.7	13.5	- .1	- 5.9
Rubber and misc. plastics products	87.6	88.5	92.3	- 1.0	- 5.2
Tires and inner tubes	23.6	23.9	25.9	- 1.3	- 9.0
Miscellaneous plastics products	43.3	43.7	45.3	- .9	- 4.5
Leather and leather products	5.5	5.5	5.7	.5	- 2.8

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$388.45	$393.50	$374.67	40.7	40.4	41.4	$ 9.79	$ 9.74	$ 9.05
Durable Goods[d]	411.26	405.21	387.61	40.8	40.4	41.5	10.08	10.03	9.34
Lumber and wood products	263.14	262.40	236.68	39.1	39.4	38.8	6.73	6.66	6.10
Furniture and fixtures	297.91	280.28	268.02	39.8	38.5	38.9	7.47	7.28	6.89
Household furniture	257.86	240.78	226.31	38.7	37.1	37.1	6.65	6.49	6.10
Stone, clay, and glass products	366.33	356.65	339.87	41.3	40.9	41.6	8.87	8.72	8.17
Glass and glassware, pressed or blown	382.35	370.05	358.40	40.2	39.2	40.0	9.76	9.44	8.96
Structural clay products	273.91	285.80	257.15	40.4	41.3	39.5	6.78	6.92	6.51
Pottery and related products	273.56	267.75	261.19	38.1	37.5	39.1	7.18	7.14	6.68
Primary metal industries	489.23	475.61	460.10	40.6	39.9	41.6	12.05	11.92	11.06
Blast furnace and basic steel products	529.74	511.59	489.11	40.5	39.5	40.7	13.08	12.95	11.87
Iron and steel foundries	449.49	446.89	421.82	40.9	40.7	41.6	10.99	10.98	10.14
Nonferrous rolling and drawing	464.49	450.30	501.99	39.0	38.0	43.5	11.91	11.85	11.54
Nonferrous foundries	336.55	342.35	325.21	40.4	41.0	40.6	8.38	8.35	8.01
Fabricated metal products	388.40	390.98	375.66	40.0	40.1	40.7	9.71	9.75	9.23
Cutlery, hand tools, and hardware	399.78	402.93	392.82	39.7	39.8	39.4	10.07	10.11	9.97
Plumbing and heating, except electric	314.42	309.24	289.46	39.5	39.6	38.1	7.96	7.81	7.44
Fabricated structural metal products	351.74	350.56	334.43	39.7	39.3	40.1	8.86	8.92	8.34
Screw machine products, bolts, etc.	362.80	346.39	320.93	40.0	39.0	38.9	9.07	8.88	8.25
Metal forgings and stampings	448.67	463.05	458.55	39.6	40.3	41.8	11.33	11.49	10.97
Machinery, except electrical	404.21	399.72	372.59	41.5	40.8	42.1	9.74	9.65	8.85
Construction and related machinery	408.59	404.68	365.38	40.9	40.7	41.1	9.99	9.94	8.89
Metalworking machinery	401.85	392.39	385.24	41.3	40.7	42.9	9.73	9.64	8.98
Special industry machinery	381.85	372.28	341.74	42.1	41.7	42.4	9.07	8.94	8.06
General industrial machinery	396.01	398.09	362.07	40.7	40.7	40.5	9.73	9.78	8.94
Electric and electronic equipment	367.74	366.99	340.72	40.5	40.5	41.2	9.08	9.06	8.27
Electrical industrial apparatus	358.97	370.71	341.43	40.7	41.7	42.1	8.82	8.89	8.11
Household appliances	332.63	337.64	337.60	39.7	40.7	40.0	9.89	9.77	8.44
Electric lighting and wiring equipment	329.66	332.07	318.27	40.8	40.3	40.7	8.08	8.24	7.82
Communication equipment	429.12	393.82	358.51	41.2	38.8	38.8	10.27	10.15	9.24
Transportation equipment	476.10	477.02	455.18	41.4	41.3	42.5	11.50	11.55	10.71
Motor vehicles and equipment	489.91	498.83	470.64	41.1	41.5	42.4	11.92	12.02	11.10
Aircraft and parts	446.88	422.01	418.89	42.0	40.5	42.7	10.64	10.42	9.81
Instruments and related products	279.40	272.35	256.41	39.8	39.3	40.7	7.02	6.93	6.30
Measuring and controlling devices	279.97	273.32	259.34	39.6	39.3	41.1	7.07	6.97	6.31
Nondurable Goods[e]	368.34	364.41	340.71	40.7	40.4	41.0	9.05	9.02	8.31
Food and kindred products	379.74	368.33	348.98	42.1	41.2	42.3	9.02	8.94	8.25
Meat products	444.65	404.38	401.39	44.2	40.6	43.6	10.06	9.96	9.22
Dairy products	367.44	348.39	329.81	43.9	42.2	43.0	8.37	8.27	7.67
Bakery products	367.52	368.39	330.80	40.7	41.2	40.0	9.09	8.94	8.27
Beverages	334.62	354.89	319.50	39.6	40.1	42.6	8.45	8.85	7.50
Textile mill products	266.51	260.56	251.20	39.6	39.3	40.0	6.73	6.63	6.28
Apparel and other textile products	211.68	210.18	191.88	37.4	37.2	36.9	5.66	5.65	5.20
Paper and allied products	382.30	367.95	348.44	43.1	42.1	43.5	8.87	8.74	8.01
Paper mills, except building paper	487.87	471.42	449.64	46.2	46.4	48.4	10.56	10.16	9.29
Misc. converted paper products	334.02	328.80	300.35	41.7	41.1	41.2	8.01	8.00	7.29
Paperboard containers and boxes	339.47	321.97	316.59	41.5	39.7	42.1	8.18	8.11	7.52
Printing and publishing	364.38	356.45	336.42	38.6	37.8	38.1	9.44	9.43	8.83
Newspapers	325.69	325.04	305.84	33.2	33.1	33.1	9.81	9.82	9.24
Commercial printing	390.26	380.82	358.30	40.4	39.3	39.9	9.66	9.69	8.98
Chemicals and allied products	395.35	396.47	360.14	40.8	41.0	41.3	9.69	9.67	8.72
Industrial inorganic chemicals	439.07	439.30	395.91	41.5	41.6	41.5	10.58	10.56	9.54
Plastics materials and synthetics	411.46	425.00	389.11	41.9	42.8	42.1	9.82	9.93	9.10
Petroleum and coal products	537.14	549.76	499.76	42.8	44.3	43.8	12.55	12.41	11.41
Rubber and misc. plastics products	370.58	374.54	351.46	40.5	40.8	41.3	9.15	9.18	8.51
Tires and inner tubes	512.19	506.88	459.24	42.4	42.1	42.8	12.08	12.04	10.73
Miscellaneous plastics products	353.23	360.00	341.52	39.6	40.0	40.9	8.92	9.00	8.35
Leather and leather products	186.00	188.50	170.66	36.4	37.4	37.1	5.11	5.04	4.60

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
NOVEMBER 1981 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
NONMANUFACTURING	3165.3	3164.3	3169.0	.0	- .1
MINING	31.3	31.3	31.3	- .2	- .1
Bituminous coal and lignite mining	14.9	14.9	15.7	.1	- 5.2
CONSTRUCTION	175.5	180.9	187.7	- 3.0	- 6.5
General building contractors	43.5	44.9	47.5	- 3.0	- 8.5
Heavy construction contractors	25.9	27.5	27.3	- 5.8	- 5.1
TRANSPORTATION AND PUBLIC UTILITIES	221.4	221.8	224.9	- .2	- 1.6
Railroad transportation	28.1	28.1	29.3	.2	- 4.1
Transportation, except railroads	98.1	98.5	101.0	- .4	- 2.8
Trucking and warehousing	74.7	74.6	76.7	.1	- 2.7
Communication, electric, gas services	95.2	95.3	94.6	- .1	.6
Communication	54.4	54.5	54.1	- .1	.5
Electric, gas, and sanitary services	40.8	40.8	40.5	.0	.6
WHOLESALE TRADE	228.1	228.2	228.6	- .1	- .2
Wholesale trade-durable goods	146.3	146.4	147.2	- .1	- .6
Motor vehicles & automotive equipment	19.7	19.8	20.9	- .5	- 6.0
Electrical goods	18.7	18.6	18.7	.4	.1
Machinery, equipment, and supplies	63.4	63.5	62.4	- .1	1.7
Wholesale trade-nondurable goods	81.8	81.8	81.3	.0	.5
Groceries and related products	23.8	23.8	23.5	.1	1.1
RETAIL TRADE	750.7	742.5	751.6	1.1	- .1
General merchandise stores	127.1	119.9	131.4	6.0	- 3.3
Department stores	116.7	109.8	120.4	6.3	- 3.1
Food stores	120.7	119.6	120.1	.9	.4
Automotive dealers & service stations	73.2	74.1	77.5	- 1.2	- 5.6
Apparel and accessory stores	37.5	36.2	37.5	3.5	- .1
FINANCE, INSURANCE, AND REAL ESTATE	208.8	209.2	206.4	- .2	1.1
Banking	59.0	59.0	58.7	.0	.5
Credit agencies other than banks	30.5	30.5	30.8	- .3	- 1.2
Insurance carriers	59.4	59.3	58.9	.3	1.0
SERVICES	862.5	868.3	835.5	- .7	3.2
Hotels and other lodging places	29.9	29.8	30.7	.4	- 2.5
Laundry, cleaning, & garment services	17.8	17.7	18.0	.7	- 1.3
Business services	125.5	126.2	121.3	- .6	3.4
Health services	300.8	299.9	285.2	.3	5.5
Hospitals	167.3	167.0	160.4	.1	4.3
GOVERNMENT	687.1	682.0	703.1	.7	- 2.3
Federal government	88.1	88.6	89.0	- .5	- 1.0
State government	148.5	146.8	149.6	1.1	- .7
State government, except education	71.2	71.0	71.5	.3	- .4
State government education	77.3	75.8	78.1	1.9	- 1.1
Local government	450.5	446.7	464.6	.9	- 3.0
Local government, except education	184.6	184.6	194.0	.0	- 4.8
Local government education	265.8	262.0	270.6	1.5	- 1.7

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
NOVEMBER 1981 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
MINING	$456.67	$452.45	$413.02	43.7	43.8	42.8	$10.45	$10.33	$ 9.65
Bituminous coal and lignite mining	534.32	526.92	463.50	43.3	42.7	41.2	12.34	12.34	11.25
CONSTRUCTION	524.69	537.46	489.60	37.5	38.5	37.9	13.99	13.96	12.76
General building contractors	478.03	485.65	449.63	36.8	37.3	37.0	12.99	13.02	11.99
Heavy construction contractors	517.25	547.02	491.59	38.4	40.4	39.8	13.47	13.54	12.35
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Railroad transportation	.....	.....	.....	....	....	....	....	....	....
Transportation, except railroads	.....	.....	.....	....	....	....	....	....	....
Trucking and warehousing	440.59	440.67	423.29	36.9	37.0	38.1	11.94	11.91	11.11
Communication, electric, gas services	410.06	412.90	375.30	40.4	40.6	40.4	10.15	10.17	9.24
Communication	398.96	407.60	366.16	39.5	40.0	39.8	10.09	10.19	9.20
Electric, gas, and sanitary services	424.13	419.80	381.82	41.5	41.4	41.1	10.22	10.14	9.29
WHOLESALE TRADE	306.15	301.86	289.42	39.0	38.9	39.2	7.85	7.76	7.29
Wholesale trade-durable goods	301.45	297.92	281.56	39.2	39.2	39.6	7.69	7.60	7.11
Motor vehicles & automotive equipment	279.63	275.48	267.33	39.0	38.8	38.8	7.17	7.10	6.89
Electrical goods	250.61	252.08	236.12	36.8	37.4	37.9	6.81	6.74	6.23
Machinery, equipment, and supplies	319.16	310.05	294.92	39.5	39.0	39.8	8.08	7.95	7.41
Wholesale trade-nondurable goods	314.67	310.31	296.44	38.8	38.5	38.5	8.11	8.06	7.44
Groceries and related products	350.99	336.84	321.40	41.1	40.1	41.1	8.54	8.40	7.82
RETAIL TRADE[f]	153.01	151.84	145.59	29.2	29.2	29.7	5.24	5.20	4.90
General merchandise stores	149.86	150.88	140.66	29.5	29.7	29.8	5.08	5.08	4.72
Department stores	151.12	152.87	141.97	29.4	29.8	29.7	5.14	5.13	4.78
Food stores	298.70	294.18	221.75	32.3	32.3	32.9	7.39	7.25	6.74
Automotive dealers & service stations	196.35	197.00	200.26	37.4	37.1	38.0	5.25	5.31	5.27
Apparel and accessory stores	112.71	111.92	105.18	26.9	27.1	26.9	4.19	4.13	3.91
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	188.67	187.49	174.87	....	....	....	....	....	....
Credit agencies other than banks	192.09	195.96	180.00	....	....	....	....	....	....
Insurance carriers	260.48	257.61	237.49	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
Hotels and other lodging places	.....	.....	.....	....	....	....	....	....	....
Laundry, cleaning, & garment services	.....	.....	.....	....	....	....	....	....	....
Business services	.....	.....	.....	....	....	....	....	....	....
Health services	.....	.....	.....	....	....	....	....	....	....
Hospitals	246.23	242.15	218.62	33.5	33.4	34.0	7.35	7.25	6.43
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government	.....	.....	.....	....	....	....	....	....	....
State government, except education	.....	.....	.....	....	....	....	....	....	....
State government education	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes miscellaneous manufacturing. [e]Includes tobacco manufactures. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	260.2	261.6	264.4	- .5	- 1.6
MANUFACTURING	75.0	76.1	78.8	- 1.4	- 4.8
Durable Goods[e]	38.1	38.8	39.1	- 1.6	- 2.3
Stone, clay, and glass products	2.1	2.1	2.1	- 1.5	.3
Fabricated metal products	14.3	14.9	15.7	- 4.1	- 8.6
Machinery, except electrical	11.4	11.4	11.3	.0	.6
Special industry machinery	2.2	2.2	2.4	- .3	- 7.4
Nondurable Goods[f]	36.9	37.3	39.8	- 1.1	- 7.2
Food and kindred products	2.4	2.4	3.1	.2	- 21.1
Chemicals and allied products	3.6	3.6	3.5	.6	3.2
Rubber and misc. plastics products	25.6	26.0	28.0	- 1.6	- 8.8
Tires and inner tubes	19.4	19.7	21.8	- 1.7	- 11.0
NONMANUFACTURING[g]	185.1	185.5	185.6	- .2	- .2
CONSTRUCTION	8.0	8.3	8.5	- 3.8	- 5.4
TRANSPORTATION AND PUBLIC UTILITIES	13.7	13.8	14.0	- .5	- 2.1
Communication, electric, gas services	5.4	5.5	5.4	- .4	1.7
WHOLESALE TRADE	11.8	11.9	11.7	- .3	1.2
RETAIL TRADE	45.0	44.7	45.7	.8	- 1.4
FINANCE, INSURANCE, AND REAL ESTATE	9.0	9.1	9.2	- .4	- 2.3
SERVICES	51.7	52.4	50.0	- 1.3	3.4
GOVERNMENT	45.5	45.0	46.1	1.0	- 1.4
State government (includes education)	14.7	14.5	14.7	1.6	.4
Local government (includes education)	28.7	28.5	29.4	.8	- 2.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$397.85	$397.99	$386.62	41.1	41.2	42.3	$ 9.68	$ 9.66	$ 9.14
Durable Goods[d]	386.34	383.35	377.10	41.1	41.0	41.9	9.40	9.35	9.00
Stone, clay, and glass products	364.75	363.19	363.93	40.8	40.9	43.9	8.94	8.88	8.29
Fabricated metal products	357.34	364.62	392.38	38.3	38.3	40.1	9.33	9.52	9.80
Machinery, except electrical	403.85	401.94	362.02	43.1	43.5	43.2	9.37	9.24	8.38
Special industry machinery	362.06	359.10	334.78	42.1	42.0	41.9	8.60	8.55	7.99
Nondurable Goods[e]	412.23	416.07	397.11	41.1	41.4	42.7	10.03	10.05	9.30
Food and kindred products	416.21	399.75	366.12	46.4	45.0	45.2	8.97	8.75	8.10
Chemicals and allied products	398.78	401.70	396.88	40.9	41.8	44.0	9.75	9.61	9.02
Rubber and misc. plastics products	436.77	434.29	410.13	41.4	41.4	42.5	10.55	10.49	9.65
Tires and inner tubes	532.97	530.02	480.82	42.4	42.3	43.2	12.57	12.53	11.13
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	536.84	550.34	509.41	39.1	40.2	39.8	13.73	13.69	12.80
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	411.89	416.36	374.13	40.5	40.7	40.1	10.17	10.23	9.33
WHOLESALE TRADE	282.75	278.78	271.99	37.6	38.4	38.8	7.52	7.26	7.01
RETAIL TRADE[f]	173.65	174.23	158.17	30.2	30.3	30.3	5.75	5.75	5.22
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	156.9	157.0	156.3	- .1	.4
MANUFACTURING	55.5	55.8	54.4	- .6	1.9
Durable Goods[e]	43.5	43.9	42.3	- .8	3.0
Stone, clay, and glass products	2.3	2.3	2.3	- .6	2.9
Primary metal industries	14.2	14.4	13.5	- 1.4	5.3
Fabricated metal products	9.4	9.5	9.7	- 1.7	- 3.3
Fabricated structural metal products	3.5	3.4	3.8	2.9	- 7.5
Metal forgings and stampings	2.6	2.8	2.7	- 8.3	- 4.9
Nondurable Goods[f]	11.9	11.9	12.2	.2	- 2.1
Food and kindred products	4.2	4.2	4.3	.2	- 1.5
Rubber and misc. plastics products	3.2	3.2	3.2	- .5	- 1.7
NONMANUFACTURING[g]	101.5	101.3	101.8	.2	- .3
CONSTRUCTION	5.4	5.5	5.9	- 2.8	- 9.4
TRANSPORTATION AND PUBLIC UTILITIES	7.3	7.2	7.2	.7	1.4
Communication, electric, gas services	3.1	3.0	3.0	1.5	3.1
WHOLESALE TRADE	7.1	7.1	7.1	.1	.2
RETAIL TRADE	26.1	25.9	26.1	.7	- .1
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.3	.1	1.8
SERVICES	29.8	29.9	28.9	- .3	3.1
GOVERNMENT	18.5	18.3	19.2	1.1	- 3.8
Local government (includes education)	15.3	15.1	15.9	1.1	- 3.8

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$409.75	$395.41	$355.50	40.7	39.7	39.2	$10.07	$ 9.96	$ 9.12
Durable Goods[d]	416.93	402.73	350.21	40.4	39.6	38.6	10.32	10.17	9.28
Stone, clay, and glass products	275.33	281.78	241.72	42.1	42.5	40.9	6.54	6.63	5.91
Primary metal industries	487.62	448.25	410.43	40.1	37.7	38.1	12.16	11.89	10.93
Fabricated metal products	407.38	398.77	341.18	39.9	38.9	39.5	10.21	10.25	9.65
Fabricated structural metal products	412.80	379.66	321.48	43.5	41.0	37.6	9.49	9.26	8.55
Metal forgings and stampings	467.28	458.95	407.49	39.6	38.6	40.9	11.80	11.89	11.43
Nondurable Goods[e]	377.00	366.33	356.10	41.7	40.3	41.6	9.06	9.09	8.56
Food and kindred products	449.41	419.01	394.14	42.8	39.6	41.1	10.50	10.48	9.59
Rubber and misc. plastics products	380.27	376.35	340.28	43.3	45.0	44.7	8.78	8.41	8.06
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	524.70	513.92	461.26	38.0	37.3	39.3	13.81	13.56	12.34
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	432.10	427.43	387.50	41.1	41.2	41.4	10.27	10.37	9.36
WHOLESALE TRADE	289.42	283.71	267.35	38.3	38.6	38.7	7.44	7.35	6.96
RETAIL TRADE[f]	145.00	144.71	136.08	29.0	29.0	29.5	5.00	4.99	4.68
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses, pay regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [g]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	609.9	610.4	609.6	- .1	.0
MANUFACTURING	162.2	161.8	164.2	.3	- 1.2
Durable Goods[e]	90.2	89.8	91.1	.5	- 1.0
Furniture and fixtures	2.5	2.5	2.8	- 1.0	- 9.9
Primary metal industries	2.5	2.5	2.3	- .3	15.5
Fabricated metal products	14.4	14.4	15.0	- .4	- 4.5
Fabricated structural metal products	5.0	5.0	5.5	.0	- 9.0
Machinery, except electrical	26.0	25.7	26.2	.9	- .8
Metalworking machinery	13.3	13.3	13.5	- .1	- 1.5
General industrial machinery	3.9	3.8	4.0	2.4	- 3.4
Electric and electronic equipment	9.2	9.2	8.8	- .3	4.3
Transportation equipment	24.2	23.8	25.1	1.3	- 3.5
Motor vehicles and equipment	8.9	8.1	8.7	9.5	2.3
Nondurable Goods[f]	72.0	72.0	73.1	- .1	- 1.6
Food and kindred products	16.6	16.5	17.2	.1	- 3.7
Meat products	2.1	2.0	2.3	4.5	- 10.5
Bakery products	2.5	2.5	2.9	1.6	- 13.1
Beverages	5.4	5.4	5.3	- 1.2	.6
Apparel and other textile products	4.5	4.6	4.0	- 3.4	11.5
Paper and allied products	7.2	7.2	7.3	1.1	- .5
Printing and publishing	12.2	12.2	12.6	.2	- 3.0
Chemicals and allied products	22.7	22.7	22.6	.0	.5
Rubber and misc. plastics products	4.7	4.7	4.7	- .3	- .3
NONMANUFACTURING[g]	447.6	448.5	445.4	- .2	.5
CONSTRUCTION	26.0	26.8	27.6	- 3.0	- 5.9
TRANSPORTATION AND PUBLIC UTILITIES	35.5	33.6	34.1	- .3	- 1.7
Communication, electric, gas services	14.1	14.1	14.1	- .1	- .3
WHOLESALE TRADE	39.1	37.0	38.5	.2	1.6
RETAIL TRADE	106.5	104.9	104.7	1.5	.7
FINANCE, INSURANCE, AND REAL ESTATE	33.5	33.7	33.3	- .4	.8
Banking	7.3	7.3	7.4	- .1	- 1.0
Insurance carriers	11.7	11.7	11.6	.0	1.0
SERVICES	128.9	127.9	121.5	- 1.5	3.3
GOVERNMENT	84.3	83.8	85.4	.9	- 1.3
Federal government	12.7	12.8	12.9	- .7	- 1.5
State government (includes education)	18.5	18.2	19.0	1.8	- 2.7
Local government	53.1	52.9	53.4	.4	- .7
Local government, except education	21.7	22.0	22.6	- 1.0	- 3.6
Local government education	31.3	30.9	30.9	1.4	1.4

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$368.92	$365.08	$359.22	40.9	40.7	41.9	$ 9.02	$ 8.97	$ 8.43
Durable Goods[d]	369.26	366.94	346.50	41.0	40.7	42.0	8.86	8.77	8.25
Furniture and fixtures	289.42	285.20	280.77	39.2	38.9	38.4	7.29	6.89	6.27
Primary metal industries	320.88	319.32	327.76	38.2	37.7	39.3	8.40	8.47	8.34
Fabricated metal products	357.00	352.10	334.13	40.8	40.8	41.2	8.75	8.63	8.11
Fabricated structural metal products	336.61	333.06	312.14	43.1	42.7	42.7	7.81	7.80	7.31
Machinery, except electrical	350.61	350.10	326.85	41.2	40.9	42.5	8.51	8.56	7.69
Metalworking machinery	379.76	382.54	366.17	41.1	41.4	43.8	9.24	9.24	8.36
General industrial machinery	334.40	344.66	302.69	43.0	43.5	41.8	8.36	8.51	7.24
Electric and electronic equipment	286.80	277.70	252.84	40.0	39.9	39.2	7.17	6.96	6.45
Transportation equipment	481.01	475.80	490.21	41.9	41.7	44.9	11.48	11.41	10.84
Motor vehicles and equipment	516.12	537.21	545.11	40.8	42.3	45.2	12.65	12.70	12.06
Nondurable Goods[e]	376.28	374.44	360.71	40.9	40.7	41.7	9.20	9.20	8.65
Food and kindred products	435.76	418.40	416.56	41.9	41.1	42.9	10.40	10.18	9.71
Meat products	520.12	456.84	474.99	46.9	42.3	44.6	11.09	10.80	10.65
Bakery products	392.58	402.19	398.58	42.2	44.1	39.6	9.31	9.12	8.55
Beverages	371.73	356.32	363.96	39.8	38.3	41.5	9.34	9.16	8.77
Apparel and other textile products	215.72	205.36	199.91	38.7	38.1	37.8	5.60	5.39	5.13
Paper and allied products	338.55	321.40	310.34	42.8	41.1	41.6	7.91	7.82	7.46
Printing and publishing	369.37	375.05	327.43	38.7	38.9	37.3	9.56	9.59	8.78
Chemicals and allied products	409.04	422.69	409.40	40.7	41.4	43.6	10.05	10.21	9.39
Rubber and misc. plastics products	323.14	322.33	332.20	43.2	42.3	44.0	7.48	7.62	7.55
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	535.82	540.35	505.69	38.3	38.7	39.6	13.99	13.96	12.77
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	388.09	385.34	343.57	39.4	39.2	39.4	9.85	9.83	8.72
WHOLESALE TRADE	301.48	290.76	287.86	38.8	38.8	39.8	7.77	7.70	7.22
RETAIL TRADE[f]	153.62	152.10	144.90	30.3	30.0	30.0	5.07	5.07	4.81
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	194.96	193.44	174.66	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [g]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	899.5	899.0	904.4	.1	- .5
MANUFACTURING	249.5	250.8	252.5	- .5	- 1.2
Durable Goods[e]	182.1	183.2	185.4	- .6	- 1.8
Furniture and fixtures	2.3	2.4	2.4	- 2.2	- 3.8
Primary metal industries	29.2	29.8	28.2	- 2.0	3.6
Blast furnace and basic steel products	14.9	15.2	14.7	- 2.4	.7
Iron and steel foundries	6.6	6.6	6.0	.4	10.7
Nonferrous foundries	2.9	3.1	2.8	- 5.5	5.5
Fabricated metal products	39.2	39.4	38.8	- .5	.3
Fabricated structural metal products	4.1	4.2	4.2	- 1.7	- .9
Screw machine products, bolts, etc.	6.3	6.3	5.8	.0	7.6
Metal forgings and stampings	14.4	14.6	14.1	- 1.1	2.3
Machinery, except electrical	47.6	47.5	48.8	.2	- 2.5
Construction and related machinery	8.9	8.8	8.5	.6	3.8
Metalworking machinery	16.5	16.5	17.5	.4	- 5.7
Special industry machinery	4.2	4.2	4.7	.7	- 11.3
General industrial machinery	4.0	4.0	4.0	1.4	.5
Electric and electronic equipment	25.0	25.0	24.6	.1	1.6
Electrical industrial apparatus	9.0	9.0	9.1	- .9	- 2.0
Transportation equipment	22.8	23.1	26.4	- 1.5	- 13.6
Motor vehicles and equipment	15.6	15.9	18.5	- 1.9	- 15.5
Instruments and related products	5.8	5.8	5.7	.1	1.3
Nondurable Goods[f]	67.4	67.6	67.2	- .3	.3
Food and kindred products	8.5	8.6	8.6	- .5	- .3
Bakery products	1.8	1.9	1.9	- 1.2	- 5.4
Beverages	1.6	1.6	1.7	.3	- 3.9
Apparel and other textile products	5.7	5.8	5.6	- 1.0	1.3
Paper and allied products	5.1	5.2	5.2	- 1.0	- 2.6
Printing and publishing	15.5	15.5	15.0	- .2	3.1
Chemicals and allied products	16.3	16.3	16.2	- .1	.6
Industrial inorganic chemicals	5.0	5.0	4.9	- .5	2.4
Rubber and misc. plastics products	10.4	10.5	10.7	- .4	- 3.0
NONMANUFACTURING[g]	650.0	648.2	651.8	.3	- .3
CONSTRUCTION	33.0	33.7	34.3	- 2.2	- 3.7
TRANSPORTATION AND PUBLIC UTILITIES	45.4	45.6	46.5	- .4	- 2.2
Communication, electric, gas services	19.7	19.7	19.2	.0	2.7
WHOLESALE TRADE	62.2	62.2	63.5	.0	- 2.0
RETAIL TRADE	147.6	146.1	147.4	1.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	49.0	49.0	48.4	.0	1.3
Banking	13.6	13.6	13.6	- .3	- .4
Insurance carriers	12.2	12.2	12.2	.0	.4
SERVICES	192.6	193.1	187.6	- .3	2.7
GOVERNMENT	118.8	117.1	122.7	1.5	- 3.2
Federal government	19.4	19.3	19.9	.3	- 2.6
State government (includes education)	8.3	8.0	8.5	4.1	- 2.5
Local government	91.1	89.8	94.3	1.5	- 3.4
Local government, except education	45.5	45.1	45.0	1.1	1.2
Local government education	45.6	44.7	49.3	2.0	- 7.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$409.25	$400.66	$378.07	40.8	40.8	41.5	$ 9.81	$ 9.82	$ 9.11
Durable Goods[d]	422.69	421.06	389.58	41.4	41.2	42.0	10.21	10.22	9.49
Furniture and fixtures	337.79	294.33	291.32	44.8	40.1	40.3	7.54	7.34	5.74
Primary metal industries	485.44	476.60	459.46	41.0	40.7	42.3	11.84	11.71	10.72
Blast furnace and basic steel products	505.12	488.97	479.18	38.5	37.7	40.1	13.12	12.97	11.80
Iron and steel foundries	581.21	572.33	519.30	43.7	43.0	45.2	13.30	13.31	11.50
Nonferrous foundries	330.23	330.76	317.82	42.5	42.9	41.6	7.77	7.71	7.64
Fabricated metal products	402.12	399.80	377.92	40.7	40.1	40.9	9.88	9.97	9.24
Fabricated structural metal products	328.46	336.59	318.38	40.5	40.4	39.6	8.11	8.33	8.04
Screw machine products, bolts, etc.	350.01	347.11	317.24	42.9	39.4	38.5	8.22	8.81	8.24
Metal forgings and stampings	474.76	485.61	466.57	40.2	40.4	42.3	11.81	12.02	11.03
Machinery, except electrical	424.32	417.58	402.57	41.6	41.1	42.6	10.20	10.16	9.45
Construction and related machinery	457.07	455.20	399.33	40.2	40.0	40.5	11.37	11.38	9.86
Metalworking machinery	416.07	414.08	401.62	41.9	41.7	43.0	9.93	9.93	9.34
Special industry machinery	406.81	406.81	367.72	40.6	40.6	40.1	10.02	10.02	9.17
General industrial machinery	422.69	420.17	376.42	43.0	42.7	42.2	9.83	9.84	8.92
Electric and electronic equipment	363.32	361.50	336.96	42.1	43.7	41.6	8.63	8.73	8.10
Electrical industrial apparatus	371.57	430.35	380.14	40.3	45.3	43.1	9.22	9.50	8.82
Transportation equipment	495.75	501.76	489.29	41.8	42.2	43.3	11.86	11.89	11.30
Motor vehicles and equipment	507.39	523.30	505.31	41.3	42.1	43.3	12.30	12.43	11.67
Instruments and related products	311.33	301.90	293.28	41.4	40.2	41.6	7.52	7.51	7.05
Nondurable Goods[e]	392.02	394.51	375.99	39.2	39.4	40.1	8.47	8.49	7.88
Food and kindred products	392.02	395.86	328.36	39.2	39.7	41.2	8.47	8.46	7.97
Bakery products	341.89	357.80	335.27	38.2	39.8	40.2	8.95	8.99	8.34
Beverages	328.42	294.47	280.14	43.1	36.9	40.6	7.62	7.57	6.90
Apparel and other textile products	238.38	243.72	219.84	37.5	38.2	38.1	6.34	6.38	5.77
Paper and allied products	352.08	345.06	317.49	41.2	40.5	40.6	8.57	8.52	7.82
Printing and publishing	336.89	350.82	337.82	37.8	37.3	38.0	9.44	9.55	8.89
Chemicals and allied products	398.34	402.78	391.19	40.4	41.1	42.2	9.86	9.80	9.27
Industrial inorganic chemicals	410.90	411.47	409.00	39.7	40.1	40.9	10.35	10.26	10.00
Rubber and misc. plastics products	273.27	288.46	275.41	39.5	40.4	41.3	7.07	7.14	6.62
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	588.21	598.33	539.63	37.9	38.7	37.9	15.52	15.59	14.08
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	440.24	447.31	409.00	40.5	41.0	40.5	10.87	10.91	10.00
WHOLESALE TRADE	323.96	317.29	299.54	39.1	39.6	38.8	8.27	8.22	7.72
RETAIL TRADE[f]	156.48	156.44	156.29	28.4	28.6	29.6	5.51	5.47	5.28
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	217.42	217.20	204.27	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	..	....	....	....
Local government, except education	.....	.....	.....	....	....	..	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	526.5	525.7	526.6	.2	.0
MANUFACTURING	93.3	93.9	96.8	- .6	- 3.6
Durable Goods[e]	59.2	59.7	62.2	- .8	- 4.9
Stone, clay, and glass products	9.7	9.7	10.6	.0	- 8.2
Fabricated metal products	10.5	10.6	11.3	- 1.9	- 7.2
Machinery, except electrical	12.0	12.2	11.7	- 1.5	2.9
Electric and electronic equipment	11.7	11.8	12.6	- 1.3	- 7.8
Transportation equipment	6.2	6.1	6.5	1.7	- 5.3
Nondurable Goods[f]	34.1	34.2	34.6	- .3	- 1.2
Food and kindred products	10.7	10.8	10.9	- .7	- 1.6
Printing and publishing	9.0	9.1	9.0	- 1.0	- .3
Chemicals and allied products	6.0	6.0	6.1	- .2	- 1.6
Rubber and misc. plastics products	3.0	2.9	3.2	2.6	- 8.1
NONMANUFACTURING[g]	433.2	431.8	429.8	.3	.8
CONSTRUCTION	21.0	21.5	22.0	- 2.4	- 4.5
TRANSPORTATION AND PUBLIC UTILITIES	25.3	25.2	25.0	.3	1.2
Communication, electric, gas services	11.5	11.5	11.1	- .1	3.4
WHOLESALE TRADE	27.5	27.5	27.4	.2	.5
RETAIL TRADE	101.7	99.8	99.5	1.9	2.2
FINANCE, INSURANCE, AND REAL ESTATE	40.3	40.2	38.6	.2	4.2
Banking	8.0	8.0	7.8	.3	2.5
Insurance carriers	17.8	17.7	17.1	.5	4.5
SERVICES	111.9	112.6	108.5	- .6	3.1
GOVERNMENT	104.7	104.2	107.9	.5	- 3.0
Federal government	11.4	11.3	11.3	.8	1.3
State government	50.4	50.2	50.3	.5	.3
State government, except education[j]	29.0	28.9	28.7	.3	.8
State government education	21.5	21.3	21.6	.7	- .4
Local government	42.9	42.7	46.4	.4	- 7.7
Local government, except education	17.6	17.6	20.5	- .1	- 14.4
Local government education	25.3	25.1	25.9	.8	- 2.4

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes. [j]Excludes units such as Ohio Department of Education and its schools for deaf and blind. Includes hospital, agricultural extension service, and agricultural research center at O.S.U.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	.....	.....	.....	.....	.....	.....	.....	.....	.....
MANUFACTURING	$361.00	$353.09	$326.73	40.2	39.9	39.7	$ 8.98	$ 8.87	$ 8.23
Durable Goods[d]	382.32	368.52	341.68	40.5	39.7	39.5	9.44	9.27	8.65
Stone, clay, and glass products	380.26	391.95	340.54	40.8	39.1	40.3	9.32	8.84	8.45
Fabricated metal products	429.60	417.20	416.56	39.7	39.1	39.9	10.67	10.67	10.44
Machinery, except electrical	355.69	349.46	335.33	40.3	40.4	42.5	8.77	8.65	7.89
Electric and electronic equipment	370.76	357.09	326.07	40.3	39.5	39.5	9.20	9.04	8.27
Transportation equipment	441.90	421.97	369.97	43.2	41.7	39.4	10.22	10.11	9.39
Nondurable Goods[e]	317.99	324.41	290.61	38.6	40.2	40.3	8.09	8.07	7.36
Food and kindred products	309.27	356.38	303.15	40.5	41.7	42.7	8.19	8.41	7.24
Printing and publishing	322.30	319.70	304.90	36.5	36.8	37.2	8.89	8.69	8.32
Chemicals and allied products	362.09	365.25	327.16	41.1	41.6	41.1	8.81	8.78	7.96
Rubber and misc. plastics products	284.78	286.47	251.03	40.8	41.1	40.6	6.98	6.97	6.38
NONMANUFACTURING	.....	.....	.....	.....	.....	.....	.....	.....	.....
CONSTRUCTION	482.69	486.86	427.46	36.4	39.2	38.2	13.57	12.42	11.19
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	425.57	435.05	390.12	40.9	41.7	40.9	10.96	10.64	9.79
WHOLESALE TRADE	292.08	288.12	260.35	39.1	39.1	39.6	7.47	7.42	7.13
RETAIL TRADE[f]	146.10	144.21	136.36	29.1	28.9	29.5	5.09	4.99	4.69
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	190.51	180.23	169.99	.....	.....	.....	.....	.....	.....
Insurance carriers	.....	.....	.....	.....	.....	.....	.....	.....	.....
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....
GOVERNMENT	.....	.....	.....	.....	.....	.....	.....	.....	.....
Federal government	.....	.....	.....	.....	.....	.....	.....	.....	.....
State government	.....	.....	.....	.....	.....	.....	.....	.....	.....
State government, except education	.....	.....	.....	.....	.....	.....	.....	.....	.....
State government education	.....	.....	.....	.....	.....	.....	.....	.....	.....
Local government	.....	.....	.....	.....	.....	.....	.....	.....	.....
Local government, except education	.....	.....	.....	.....	.....	.....	.....	.....	.....
Local government education	.....	.....	.....	.....	.....	.....	.....	.....	.....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [g]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	399.0	399.3	360.1	- .1	- .3
MANUFACTURING	100.1	100.3	99.7	- .2	.5
Durable Goods[e]	68.4	68.7	67.6	- .4	1.2
Stone, clay, and glass products	2.2	2.2	2.4	- 1.3	- 7.2
Fabricated metal products	7.0	7.0	7.1	.7	- .3
Machinery, except electrical	30.6	30.6	31.5	- .1	- 2.9
Metalworking machinery	6.8	6.8	7.4	.1	- 8.1
Electric and electronic equipment	9.7	9.9	7.7	- 1.7	25.5
Electrical industrial apparatus	3.7	3.7	3.7	- 2.1	- 2.3
Transportation equipment	12.8	12.7	13.0	1.0	- 1.6
Nondurable Goods[f]	31.7	31.6	32.1	.3	- 1.0
Food and kindred products	3.6	3.6	3.5	- .2	1.8
Paper and allied products	6.0	5.9	5.8	2.6	5.0
Printing and publishing	9.2	9.4	9.8	- 1.7	- 5.8
Rubber and misc. plastics products	9.0	8.8	9.1	1.9	- 1.0
NONMANUFACTURING[g]	298.9	299.0	260.5	- .1	- .6
CONSTRUCTION	12.1	12.5	14.2	- 3.1	- 14.5
TRANSPORTATION AND PUBLIC UTILITIES	13.2	13.3	13.4	- .7	- .9
Communication, electric, gas services	6.5	6.5	6.6	- .8	- 1.4
WHOLESALE TRADE	15.2	15.3	15.4	- .1	- .9
RETAIL TRADE	58.8	58.0	59.1	1.3	- .6
FINANCE, INSURANCE, AND REAL ESTATE	13.9	13.9	13.7	.2	1.3
SERVICES	75.9	76.2	74.3	- .3	2.1
GOVERNMENT	69.3	69.5	70.0	- .2	- .9
Federal government	25.1	25.6	24.8	- 2.0	.9
State government (includes education)	5.9	6.0	5.9	- 1.2	- .5
Local government	38.3	37.9	39.2	1.1	- 2.2
Local government, except education	13.5	13.5	14.3	- .2	- 5.7
Local government education	24.8	24.4	24.9	1.8	- .1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$412.76	$412.17	$390.50	41.4	41.3	42.4	$ 9.97	$ 9.98	$ 9.21
Durable Goods[d]	415.91	412.26	386.91	41.0	41.6	42.8	9.95	9.91	9.04
Stone, clay, and glass products	412.98	385.42	372.00	40.4	40.4	40.7	9.74	9.54	9.14
Fabricated metal products	308.21	301.15	275.45	40.5	40.1	39.6	7.61	7.51	6.93
Machinery, except electrical	410.85	411.50	396.84	41.5	41.7	43.8	9.90	9.87	9.06
Metalworking machinery	407.95	408.37	406.77	42.1	42.3	44.3	9.69	9.70	9.10
Electric and electronic equipment	512.42	502.2	358.48	47.8	47.2	43.4	10.72	10.64	8.26
Electrical industrial apparatus	320.96	311.95	298.87	41.3	41.5	41.8	7.66	7.59	7.15
Transportation equipment	481.54	487.91	499.32	39.6	39.7	43.6	12.16	12.29	11.45
Nondurable Goods[e]	407.41	409.86	401.40	40.1	40.5	41.9	10.01	10.12	9.58
Food and kindred products	348.99	394.07	365.50	41.4	41.7	42.5	9.49	9.49	8.60
Paper and allied products	331.37	320.96	349.27	41.6	40.5	44.1	7.96	7.91	7.92
Printing and publishing	449.90	412.91	409.65	41.9	39.4	40.6	10.58	10.48	10.09
Rubber and misc. plastics products	495.62	521.80	487.30	39.1	40.9	41.9	12.42	12.76	11.63
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	490.37	507.37	485.39	38.4	39.7	39.9	12.77	12.78	12.09
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	414.80	407.42	407.95	40.0	40.1	41.5	10.37	10.16	9.89
WHOLESALE TRADE	290.59	277.67	271.95	40.7	40.9	41.9	7.04	6.89	6.49
RETAIL TRADE[f]	148.70	146.01	141.80	28.1	28.9	29.5	5.43	5.06	4.81
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	295.5	296.8	299.5	- .4	- 1.3
MANUFACTURING	74.0	75.0	76.5	- 1.3	- 3.3
Durable Goods[e]	57.9	58.6	59.3	- 1.2	- 2.3
Stone, clay, and glass products	13.5	13.5	13.3	.2	1.6
Primary metal industries	4.4	4.5	4.6	- 3.4	- 4.4
Fabricated metal products	8.2	8.6	8.8	- 4.8	- 6.8
Metal forgings and stampings	3.6	3.9	4.0	- 6.9	- 10.6
Machinery, except electrical	7.3	7.3	7.4	.3	- 1.1
General industrial machinery	2.2	2.2	2.3	.3	- 4.2
Transportation equipment	15.4	15.5	16.5	- .6	- 6.6
Motor vehicles and equipment	14.1	14.2	15.0	- .7	- 5.8
Nondurable Goods[f]	16.1	16.3	17.3	- 1.4	- 6.8
Food and kindred products	4.2	4.3	4.1	- 4.0	.7
Petroleum and coal products	1.6	1.6	1.9	- .2	- 13.8
Rubber and misc. plastics products	3.1	3.0	3.4	2.2	- 9.3
NONMANUFACTURING[g]	221.5	221.8	223.0	- .1	.7
CONSTRUCTION	13.3	14.2	14.0	- 6.0	- 4.6
TRANSPORTATION AND PUBLIC UTILITIES	19.7	19.6	20.1	.2	- 2.0
Communication, electric, gas services	7.8	7.8	7.6	.1	2.3
WHOLESALE TRADE	14.3	14.3	14.3	.1	- .3
RETAIL TRADE	52.9	52.5	53.3	.8	- .8
FINANCE, INSURANCE, AND REAL ESTATE	10.9	11.0	10.8	- .4	1.3
SERVICES	62.7	62.9	61.0	- .3	2.8
GOVERNMENT	47.1	46.8	49.0	.6	- 4.0
State government (includes education)	15.1	15.0	15.1	.7	- .2
Local government	29.3	29.1	31.2	.7	- 6.0
Local government, except education	10.6	10.6	12.0	.1	- 11.0
Local government education	18.7	18.5	19.2	1.0	- 2.8

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products, leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$415.93	$416.34	$389.87	41.1	41.1	41.3	$10.12	$10.13	$ 9.44
Durable Goods[d]	427.85	428.26	402.82	41.1	41.1	41.4	10.41	10.42	9.73
Stone, clay, and glass products	437.61	440.37	405.46	42.2	42.1	41.8	10.37	10.46	9.70
Primary metal industries	407.12	405.79	400.97	41.5	41.8	43.7	9.81	9.66	9.12
Fabricated metal products	357.90	384.61	345.14	39.9	41.4	39.4	8.97	9.29	8.76
Metal forgings and stampings	419.64	448.69	414.99	39.0	40.6	40.6	10.76	11.05	10.22
Machinery, except electrical	433.58	417.17	394.99	42.5	41.1	41.8	10.25	10.15	9.44
General industrial machinery	449.45	434.17	388.47	39.7	38.8	38.5	11.17	11.19	10.09
Transportation equipment	513.77	511.71	460.99	41.4	41.3	41.6	12.41	12.39	11.08
Motor vehicles and equipment	514.19	513.77	467.17	41.3	41.3	41.6	12.45	12.44	11.23
Nondurable Goods[e]	370.39	368.51	342.35	41.2	40.9	41.0	8.99	9.01	8.35
Food and kindred products	381.07	379.20	361.22	42.2	41.9	42.9	9.03	9.05	8.42
Petroleum and coal products	609.44	595.65	545.33	46.1	45.4	44.3	13.22	13.12	12.31
Rubber and misc. plastics products	326.19	323.95	285.51	41.5	40.8	40.1	7.86	7.94	7.12
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	576.46	590.55	533.32	37.0	37.4	37.6	15.58	15.79	14.20
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	458.05	448.39	394.07	42.1	41.9	40.3	10.88	10.70	9.73
WHOLESALE TRADE	325.14	323.92	290.25	38.8	38.7	38.7	8.38	8.37	7.50
RETAIL TRADE[f]	158.60	157.72	150.16	29.1	29.1	29.5	5.45	5.42	5.09
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f]Money payments only, tips not included. [g]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent[d] Change From	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	202.3	201.5	202.9	.4	- .3
MANUFACTURING	68.7	68.7	69.3	.0	- .9
Durable Goods[e]	62.7	62.8	63.4	.0	- 1.0
Stone, clay, and glass products	1.9	1.9	1.8	.3	10.4
Primary metal industries	29.3	29.4	29.9	- .6	- 2.0
Blast furnace and basic steel products	15.4	15.5	14.7	- .7	4.9
Fabricated metal products	9.0	8.6	9.2	4.3	- 2.2
Fabricated structural metal products	2.7	2.6	2.9	4.4	- 5.1
Machinery, except electrical	6.8	6.8	6.3	- .3	- 7.7
Metalworking machinery	2.3	2.3	2.8	- .9	- 19.3
Electric and electronic equipment	3.1	3.1	3.1	- 1.9	- .3
Transportation equipment	11.9	12.0	11.2	- 1.2	6.1
Nondurable Goods[f]	5.9	5.9	5.9	- .1	.8
NONMANUFACTURING[g]	133.6	132.8	133.6	.6	.0
CONSTRUCTION	7.0	7.3	7.7	- 3.0	- 8.5
TRANSPORTATION AND PUBLIC UTILITIES	9.3	9.2	9.3	.9	.2
Communication, electric, gas services	3.3	3.3	3.3	.1	.8
WHOLESALE TRADE	7.7	7.7	7.8	.1	- 1.0
RETAIL TRADE	36.8	36.5	37.1	.8	- .7
FINANCE, INSURANCE, AND REAL ESTATE	7.3	7.2	7.1	.2	2.0
SERVICES	39.0	39.2	37.7	- .4	3.6
GOVERNMENT	26.0	25.2	26.5	3.2	- 1.7
Local government (includes education)	20.4	19.9	20.8	2.5	- 1.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN [illegible] METROPOLITAN AREA, [illegible]

Industry	Average weekly Earnings			Average weekly Hours			Average hourly Earnings		
	November 1978[a]	October 1978[b]	November 1977[c]	November 1978[a]	October 1978[b]	November 1977[c]	November 1978[a]	October 1978[b]	November 1977[c]
TOTAL	.....	.....	.....	.....	.....	.....	.....	.....	.....
MANUFACTURING	$477.60	$[illegible]	$[illegible]	[illegible]	[illegible]	[illegible]	$11.67	$11.54	$11.01
Durable Goods[d]	493.17	511.17	471.67	43.3	44.9	42.7	11.39	11.38	11.05
Stone, clay, and glass products	390.11	396.41	375.79	49.2	51.0	46.3	7.93	7.77	7.54
Primary metal industries	495.44	494.7[illegible]	500.[illegible]	39.8	39.[illegible]	41.0	12.44	12.48	12.17
Blast furnace and basic steel products	505.30	527.09	497.80	40.4	42.2	39.4	12.51	12.49	12.30
Fabricated metal products	460.68	461.4[illegible]	441.[illegible]	41.[illegible]	41.[illegible]	40.[illegible]	11.24	11.09	11.19
Fabricated structural metal products	348.29	33[illegible].[illegible]	36[illegible].[illegible]	41.[illegible]	41.[illegible]	40.2	8.38	8.13	8.83
Machinery, except electrical	469.92	4[illegible].49	443.05	41.[illegible]	41.[illegible]	41.[illegible]	11.44	11.30	11.06
Metalworking machinery	4[illegible].[illegible]	4[illegible].7	4[illegible].77	40.4	40.[illegible]	40.7	11.74	11.[illegible]	11.77
Electric and electronic equipment	300.17	3[illegible].8	2[illegible].[illegible]	39.[illegible]	39.[illegible]	40.[illegible]	7.[illegible]	7.[illegible]	7.80
Transportation equipment	5[illegible].[illegible]	5[illegible].[illegible]	4[illegible].[illegible]	43.3	43.5	41.[illegible]	12.[illegible]	12.[illegible]	11.94
Nondurable Goods[e]	3[illegible].91	3[illegible].[illegible]	3[illegible].[illegible]	41.1	41.[illegible]	40.6	8.10	8.01	7.70
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	5[illegible].[illegible]	5[illegible].[illegible]	5[illegible].[illegible]	39.[illegible]	39.[illegible]	38.[illegible]	14.37	14.30	13.67
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	4[illegible].[illegible]	4[illegible].[illegible]	3[illegible].[illegible]	43.[illegible]	43.[illegible]	41.[illegible]	10.29	10.19	9.26
WHOLESALE TRADE	3[illegible].[illegible]	3[illegible].[illegible]	3[illegible].[illegible]	40.[illegible]	40.[illegible]	40.[illegible]	8.39	8.31	7.74
RETAIL TRADE[f]	1[illegible].[illegible]	1[illegible].[illegible]	1[illegible].[illegible]	30.[illegible]	30.[illegible]	30.[illegible]	5.27	5.21	4.89
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f]Money payments only, tips not included. [g]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.--Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.--Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Data current distributed by place of residence.

Total Unemployed.--Estimates refer to persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.--Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.--Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.--Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 6,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	45
Manufacturing	62
Nonmanufacturing	39
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.--Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.--Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.--Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.--Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.--Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers.--Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.--Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.--Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.--Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

1/25/82 56270-12

Ohio Labor Market Information

BUREAU OF EMPLOYMENT SERVICES

JOB SERVICE OF OHIO

JAMES A. RHODES, *Governor*
ALBERT G. GILES, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
DECEMBER 1981

Unemployment in Ohio climbed from 562,000 in November to 601,000 in December. The jobless rate rose by nearly a full percentage point to 11.8 percent. Total employment dropped 1.9 percent, to 4,504,000. Curtailments in factory production lowered nonfarm payroll employment .9 percent, to 4,342,000 in December.

Manufacturing employment in Ohio slipped to its lowest level since May of 1961. The December total was 1,184,000--down 2.7 percent from November. The widespread effects of the automotive slump continued. Employment in motor vehicle production dropped below 75,000 for the first time in two decades. Suppliers of various automotive components--castings, stamped metal, plastic parts, wire, hardware--also furloughed several thousand workers, due to fewer orders. Reduced employment in household appliances and basic steel products was attributable to lack of orders.

Employment in Ohio's nonmanufacturing industries dipped fractionally from November, to 3,158,000 in December. Inclement weather led to slowdowns in outdoor activities--notably construction, amusement services, and drive-ins. Employment in private educational services dipped seasonally. Decreases were moderated, however, by gains in retailing as department, apparel, and food stores added temporary personnel for the holiday season.

Average weekly earnings of Ohio's factory production workers remained at a record level--$398.62 in December, on par with November. The average workweek, at 40.8 hours, was little changed. More overtime boosted earnings in the production of construction machinery, and in newspaper publishing. Stepped-up overtime was also reported in several food-processing industries, notably beverages, bakery and dairy products. Higher earnings in plastic products were attributable to more overtime and hourly-rate increases. Overtime curtailments, however, were reported by producers of fasteners, textile mill products, and electrical equipment.

The number of jobless Ohioans increased by roughly 170,000 between December 1980 and December 1981, lifting the unemployment rate from 8.6 to 11.8 percent of the civilian labor force. Total employment declined 1.5 percent as nonfarm payrolls slipped 1.8 percent. Manufacturing industries accounted for most of the loss, with transportation equipment, primary metals, and nonelectrical machinery showing substantial reductions. Cutbacks in government, construction, and retailing lowered nonmanufacturing, despite gains in service industries. Factory production workers grossed $12 more per week in December 1981 than in December 1980, although the average workweek dropped by 1.3 hours.

For additional Labor Market Information, write
WILLIAM PAPIER, *Director of Research and Statistics*, BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Nonfarm employment in Akron totaled 259,000 in December, down 500 from November. Decreases in fabricated metals and rubber accounted for most of the 500 loss in manufacturing, to 74,400 for the month. Cutbacks in construction were offset by seasonal gains in retail trade, resulting in little change for nonmanufacturing. Earnings of factory production workers rose 4¢, to $9.78 an hour. Their average workweek was .7 hours longer, at 42.2 hours.

Canton.--Nonfarm establishments in Canton employed 156,200 workers in December, up slightly from November. Nonmanufacturing advanced as increases in retail trade and education were moderated by seasonal declines in construction. Manufacturing employment slipped 200, to 54,600 for December. The average workweek for factory production workers, at 40.0 hours, was up .2 hours for the month. Their average hourly earnings rose 9¢, to $10.10 in December.

Cincinnati.--Cincinnati's nonagricultural wage and salary employment totaled 608,500 in December, down 800 from November. Cutbacks in orders for motor vehicles lowered manufacturing 900, to 161,000 for December. In nonmanufacturing, seasonal losses in construction were largely offset by hiring in retail trade. Production workers in manufacturing industries grossed $9.05 per hour for a workweek of 41.2 hours, slightly up from November averages.

Cleveland.--Nonfarm payroll employment in the Cleveland area decreased 5,300 from November, to 891,900 in December. Manufacturing, down 6,900 to 241,100 in December, was responsible for the overall loss, as producers of motor vehicles and component parts reported cutbacks. Expansion in retailing and public schools lifted nonmanufacturing, despite losses in construction. The average workweek of factory production workers was little changed, at 40.8 hours. Their hourly earnings slipped 9¢, to $9.73 in December.

Columbus.--Nonagricultural establishments in the Columbus area employed 525,100 wage and salary workers in December, down 800 from November. The loss was due to layoffs in durable-goods industries, which lowered manufacturing 1,100, to 92,400 for the month. Seasonal gains in retailing were largely offset by shrinkage in other nonmanufacturing industries, notably construction. The workweek for the average factory production worker, 40.6 hours, was up .3 hours. Average hourly earnings, at $8.95, were down slightly from November.

Dayton.--December nonfarm payroll employment in Dayton totaled 359,300, down 300 from November. The loss occurred in manufacturing, down 600 to 99,600 in December. Nonmanufacturing rose slightly, as seasonal hiring in retail trade was partially offset by losses in other industries. The average workweek and hourly earnings for factory production workers were little changed from November, at 41.6 hours and $10.01 in December.

Toledo.--Workers on nonfarm payrolls in Toledo numbered 292,800 in December, down 1,900 from November. Manufacturing accounted for most of the loss, as durable-goods industries experienced widespread layoffs. Increases in retail trade were more than offset by layoffs in other nonmanufacturing industries--notably construction. Production workers in factories grossed $10.21 per hour, up 11¢ from November. The average workweek, at 41.5 hours, was up .8 hours.

Youngstown-Warren.--Youngstown-Warren's nonagricultural wage and salary employment decreased 8,300 from November, to 193,400 in December. Most of the loss occurred in manufacturing, down 8,000 to 60,100 for the month, due mainly to cutbacks by producers of motor vehicles and equipment. Nonmanufacturing slipped as seasonal losses in construction outweighed gains in retailing. The workweek and hourly earnings of the average factory production worker, at 39.6 hours and $11.60 an hour, were down .8 hours and 6¢, respectively, from November.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 1-15-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[i]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1970	284.7	140.2	507.9	854.6	409.1	331.4	269.1	195.5
1971	284.1	138.1	501.9	824.3	410.9	317.4	269.7	198.1
1972	289.1	139.9	519.0	838.0	431.6	325.5	272.4	201.1
1973	295.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	295.0	150.1	542.2	879.2	467.6	334.9	285.6	213.5
1975	285.4	145.0	531.2	850.6	465.4	321.4	275.5	200.7
1976	290.3	149.9	541.9	860.0	496.1	331.5	282.6	203.5
1977	298.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	306.8	156.1	591.2	905.0	493.8	358.5	302.1	210.3
1979	315.9	160.7	607.4	919.8	507.9	364.9	305.9	213.9
1980	303.3	157.0	604.8	905.0	515.1	356.5	294.2	203.3
1980								
December.	283.7	156.3	610.6	907.1	526.0	361.0	299.7	199.1
1981								
January .	294.9	153.4	595.8	885.6	510.7	352.5	291.0	194.5
February.	296.4	153.0	598.9	881.2	509.8	352.4	287.4	192.8
March ...	298.7	153.2	599.6	886.9	513.6	355.8	292.1	194.9
April ...	300.7	155.8	607.7	895.2	517.9	357.6	295.7	199.7
May	302.5	156.3	610.5	900.4	521.0	358.0	298.0	203.4
June	297.6	157.1	613.0	906.3	522.7	357.4	299.4	204.3
July	295.4	156.5	608.9	901.0	514.2	351.5	290.3	200.8
August ..	295.6	156.8	601.6	898.0	514.8	350.8	288.9	197.3
September	301.3	157.0	610.8	896.8	518.8	358.5	293.2	202.2
October .	301.6	157.0	610.4	899.0	525.7	359.3	296.8	201.5
November.	299.5	156.0	609.4	897.1	525.9	359.5	294.8	201.7
December.	299.0	156.2	608.5	891.9	525.1	359.3	292.8	199.4
	MANUFACTURING EMPLOYMENT (in thousands)							
1970	96.4	62.4	169.5	296.8	102.2	128.3	89.4	86.1
1971	91.7	58.6	160.1	279.5	98.4	112.8	86.2	88.4
1972	91.9	57.4	155.9	279.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	99.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	105.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.0	79.9
1980	79.4	55.6	164.3	255.0	96.7	99.9	74.9	70.5
1980								
December.	77.8	54.5	163.8	253.6	96.3	99.5	77.1	65.2
1981								
January .	75.8	54.7	163.2	251.4	95.3	98.9	75.3	65.2
February.	76.9	54.7	162.7	250.2	94.6	99.3	72.8	64.7
March ...	77.9	53.9	161.8	249.7	94.8	100.3	75.8	66.5
April ...	78.1	55.0	162.4	250.7	94.4	100.3	76.6	69.7
May	77.5	55.1	162.4	250.9	94.8	100.5	76.6	69.7
June	77.1	55.6	163.4	253.4	94.6	100.2	76.9	69.8
July	75.8	55.8	161.7	252.2	93.4	99.8	75.3	68.9
August ..	75.5	56.1	161.6	249.9	93.1	99.0	75.9	66.6
September	76.8	56.1	163.0	252.1	94.7	101.6	77.9	69.3
October .	76.1	55.8	161.8	250.8	93.9	100.3	75.0	68.7
November.	74.9	54.8	162.0	248.0	93.5	100.2	73.5	68.1
December.	74.4	54.6	161.0	241.1	92.4	99.6	71.8	60.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i]Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

[illegible]

[illegible]

[illegible]

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
	AKRON[b]					CANTON[c]			
1970	276.2	262.7	13.6	4.9	1970	162.6	153.2	9.4	5.8
1971	277.5	261.2	16.3	5.9	1971	164.8	152.2	12.6	7.6
1972	282.2	267.4	14.9	5.3	1972	165.6	155.3	10.3	6.2
1973	287.0	274.8	12.2	4.3	1973	171.1	163.1	8.0	4.7
1974	290.3	277.3	13.0	4.5	1974	175.4	167.2	8.1	4.6
1975	291.1	263.5	27.6	9.5	1975	174.2	157.5	16.7	9.6
1976	290.2	265.3	24.9	8.6	1976	173.8	158.0	15.7	9.1
1977	292.9	273.6	19.4	6.6	1977	175.0	162.2	12.8	7.3
1978	297.8	281.1	16.7	5.6	1978	179.2	169.4	9.8	5.5
1979	302.7	284.3	18.3	6.1	1979	183.6	173.1	10.5	5.7
1980	303.1	277.5	25.6	8.5	1980	186.5	169.8	16.7	8.9
1980					1980				
November ...	304.6	276.0	28.6	9.4	November ..	185.9	167.6	18.3	9.8
December ...	298.4	271.8	26.6	8.9	December ..	181.7	165.3	16.4	9.0
1981					1981				
January	293.1	262.5	30.6	10.4	January ...	180.6	161.9	18.7	10.4
February ...	292.2	263.4	28.8	9.8	February ..	179.1	161.2	17.9	10.0
March	298.1	271.1	27.0	9.1	March	180.1	165.3	17.7	9.8
April	299.2	277.0	22.2	7.4	April	184.1	169.8	14.3	7.8
May	305.8	281.1	24.7	8.1	May	187.7	172.4	15.3	8.1
June	299.5	273.7	25.8	8.6	June	187.4	171.0	16.5	8.7
July	305.8	276.4	29.3	9.6	July	191.6	173.3	18.3	9.5
August	304.8	274.8	30.1	9.9	August	189.7	172.4	17.4	9.2
September ..	300.6	271.3	29.5	9.8	September .	187.4	167.2	20.1	10.7
October	300.2	271.8	28.5	9.5	October ...	185.0	167.6	17.4	9.4
November[p] ..	309.3	270.8	38.4	10.7	November[p] .	187.6	167.7	19.8	10.6
	CINCINNATI[d]					CLEVELAND[e]			
1970	543.0	518.0	25.0	4.6	1970	878.5	833.9	44.6	5.1
1971	550.0	516.0	34.0	6.2	1971	866.3	811.4	54.9	6.3
1972	561.0	529.0	32.0	5.7	1972	873.4	825.3	48.1	5.5
1973	572.0	543.0	29.0	5.1	1973	883.5	848.7	34.8	3.9
1974	595.3	569.8	25.5	4.3	1974	897.7	860.1	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	894.1	829.7	70.5	7.9
1976	600.6	562.6	38.0	6.3	1976	894.4	831.3	63.1	7.1
1977	619.1	584.6	34.4	5.6	1977	904.7	850.9	53.8	5.9
1978	642.8	610.5	32.3	5.0	1978	918.1	875.2	43.0	4.7
1979	657.9	622.9	35.1	5.3	1979	932.2	885.7	46.5	5.0
1980	674.4	626.8	47.5	7.0	1980	941.6	873.4	68.2	7.2
1980					1980				
November ...	679.4	628.1	51.9	7.6	November ..	943.6	865.9	77.8	8.2
December ...	671.4	622.3	49.0	7.3	December ..	927.2	857.6	69.6	7.5
1981					1981				
January	668.3	606.9	61.5	9.2	January ...	913.6	835.5	78.2	8.6
February ...	664.9	607.3	57.6	8.7	February ..	907.8	829.8	78.0	8.6
March	677.5	621.4	56.1	8.3	March	929.8	852.8	77.0	8.3
April	684.7	636.8	47.9	7.0	April	935.3	872.2	63.1	6.7
May	695.5	645.0	50.5	7.3	May	951.4	880.9	67.4	7.1
June	697.2	643.2	54.1	7.8	June	952.0	879.2	72.7	7.6
July	706.2	643.8	62.4	8.8	July	973.1	890.2	83.0	8.5
August	697.6	638.8	58.8	8.4	August	961.0	880.8	80.1	8.3
September ..	695.2	631.1	64.1	9.2	September .	936.4	853.0	83.4	8.9
October	693.9	630.5	63.4	9.1	October ...	936.7	856.3	80.3	8.6
November[p] ..	697.2	629.4	67.8	9.7	November[p] .	946.7	858.9	87.8	9.3

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b]Defined as Portage and Summit Counties. [c]Defined as Carroll and Stark Counties. [d]Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e]Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p]Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In Thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
	COLUMBUS[c]					DAYTON[d]			
1970	431.5	412.4	19.1	4.4	1970	359.8	343.6	16.2	4.6
1971	445.6	428.1	17.5	3.9	1971	345.3	327.0	18.3	6.7
1972	460.1	441.9	18.2	4.0	1972	359.6	342.3	17.3	4.9
1973	488.3	468.2	17.1	3.5	1973	383.3	369.4	14.5	4.0
1974	496.0	474.1	19.9	4.0	1974	388.9	371.9	16.0	4.7
1975	479.5	447.1	32.4	7.4	1975	356.5	327.7	28.8	8.4
1976	491.3	464.2	27.0	5.8	1976	369.2	345.0	24.1	6.7
1977	511.1	481.2	29.9	5.9	1977	386.6	366.0	20.6	5.3
1978	529.4	504.6	24.8	4.7	1978	379.6	362.3	17.3	4.6
1979	540.9	515.1	25.7	4.8	1979	390.6	366.5	24.1	6.2
1980	546.4	525.8	21.6	3.9	1980	389.0	359.8	29.2	7.5
1980					1980				
November	571.2	532.4	38.8	6.8	November	390.8	360.8	30.0	7.7
December	557.6	524.8	33.9	6.0	December	384.2	357.6	27.5	7.2
1981					1981				
January	560.4	508.2	52.2	9.3	January	379.5	347.5	32.0	8.4
February	548.1	504.2	43.9	8.0	February	377.8	347.3	30.5	8.1
March	561.0	520.9	41.1	7.3	March	387.5	356.5	30.0	7.8
April	564.6	523.5	41.1	7.3	April	389.1	364.3	24.8	6.4
May	578.4	540.8	37.6	6.5	May	397.2	369.4	27.8	7.0
June	571.1	530.2	40.9	7.1	June	393.7	364.0	29.7	7.5
July	569.7	528.0	41.8	7.3	July	399.2	364.1	35.1	8.8
August	578.5	534.9	43.6	7.5	August	394.7	360.9	33.8	8.6
September	571.9	527.3	44.6	7.8	September	391.3	357.1	34.3	8.8
October	575.6	529.5	46.1	8.0	October	388.9	358.8	33.4	8.5
November[p]	581.3	531.0	50.3	8.6	November[p]	395.7	359.0	36.7	9.3
	TOLEDO[h]					YOUNGSTOWN-WARREN[i]			
1970	315.8	298.4	17.4	5.5	1970	218.5	205.1	13.4	6.1
1971	314.9	300.3	14.1	4.5	1971	225.0	207.1	17.9	8.0
1972	330.4	311.9	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.4	221.7	10.7	4.6
1974	342.8	324.2	18.7	5.5	1974	236.3	223.3	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.0	209.1	26.9	11.4
1976	347.3	318.5	28.8	8.3	1976	233.4	209.8	23.6	10.1
1977	353.2	328.5	25.4	7.2	1977	233.0	214.0	18.9	8.1
1978	361.2	338.8	22.9	6.3	1978	234.3	216.6	17.7	7.5
1979	366.4	340.1	26.3	7.2	1979	236.2	219.1	17.1	7.2
1980	367.5	329.3	38.2	10.4	1980	237.5	209.5	28.0	11.8
1980					1980				
November	370.8	331.8	39.0	10.5	November	236.5	207.3	29.2	12.4
December	364.2	327.3	36.9	10.0	December	230.8	200.8	29.9	13.0
1981					1981				
January	357.9	317.8	40.1	11.2	January	231.4	195.8	35.6	15.4
February	356.8	313.8	43.0	12.1	February	228.3	193.8	34.5	15.1
March	364.6	324.6	40.0	11.0	March	228.4	200.8	27.6	12.1
April	366.9	333.8	32.1	8.8	April	229.5	208.3	21.1	9.2
May	373.9	340.2	33.8	9.0	May	234.1	213.1	21.0	9.0
June	374.1	339.3	34.7	9.3	June	233.5	211.5	22.0	9.4
July	375.1	335.4	39.6	10.6	July	237.1	211.8	25.3	10.7
August	372.2	332.5	39.8	10.7	August	234.2	206.8	27.4	11.7
September	367.6	326.6	41.0	11.2	September	231.0	205.2	25.8	11.2
October	372.7	331.1	41.6	11.2	October	230.2	204.8	25.4	11.0
November[p]	372.0	329.6	42.4	11.4	November[p]	235.5	206.0	29.4	12.5

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [c]Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [d]Defined as Greene, Miami, Montgomery, and Preble Counties. [h]Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i]Defined as Mahoning and Trumbull Counties. [p]Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1970	4,388	4,152	236	5.4	4.9
1971	4,412	4,125	286	6.5	5.9
1972	4,506	4,256	249	5.5	5.6
1973	4,615	4,417	198	4.3	4.9
1974	4,698	4,474	225	4.8	5.6
1975	4,711	4,282	428	9.1	8.5
1976	4,737	4,367	369	7.8	7.7
1977	4,815	4,504	311	6.5	7.0
1978	4,937	4,670	267	5.4	6.0
1979	5,036	4,739	297	5.9	5.8
1980	5,086	4,659	426	8.4	7.1
1980					
December.	5,004	4,574	430	8.6	6.9
1981					
January .	4,970	4,453	517	10.4	8.2
February.	4,941	4,445	496	10.0	8.0
March ...	5,054	4,584	470	9.3	7.7
April ...	5,076	4,691	385	7.6	7.0
May	5,187	4,773	414	8.0	7.1
June	5,166	4,730	435	8.4	7.7
July	5,246	4,751	495	9.4	7.3
August ..	5,189	4,702	488	9.4	7.2
September	5,104	4,593	511	10.0	7.3
October .	5,112	4,607	505	9.9	7.5
November.	5,151	4,590	562	10.9	7.9
December.	5,105	4,504	601	11.8	8.3

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1970	3,880.6	1,409.9	2,470.7
1971	3,899.5	1,393.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.2	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,384.8	1,367.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,398.8	1,267.5	3,131.4
1980			
December.	4,420.1	1,253.3	3,166.8
1981			
January .	4,303.8	1,239.9	3,063.9
February.	4,297.0	1,237.1	3,059.9
March ...	4,330.8	1,247.7	3,083.1
April ...	4,370.5	1,256.5	3,114.0
May	4,402.3	1,256.4	3,145.9
June	4,422.9	1,261.2	3,161.7
July	4,365.4	1,247.2	3,118.2
August ..	4,355.0	1,242.7	3,112.3
September	4,398.0	1,258.6	3,139.5
October .	4,402.1	1,237.8	3,164.3
November.	4,380.0	1,217.6	3,162.3
December.	4,341.9	1,184.2	3,157.7

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1970	20.6	164.2	225.0	185.0	580.2	154.2	568.0	565.5
1971	20.8	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	619.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	680.3	626.4
1976	28.2	154.2	213.7	206.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	189.5	232.1	232.8	742.4	200.6	805.6	674.0
1980	30.8	180.1	225.1	229.4	740.6	205.7	830.2	689.6
1980								
December.	31.0	174.6	224.0	228.9	766.3	207.2	830.9	703.9
1981								
January .	30.8	150.2	217.9	227.1	722.0	206.5	818.4	691.1
February.	30.4	146.1	216.9	226.3	709.9	206.1	827.4	696.7
March ...	30.5	152.2	217.7	227.1	715.3	206.6	835.7	697.4
April ...	20.9	163.0	219.7	227.8	729.9	207.1	853.3	692.3
May	21.4	169.7	219.8	227.7	739.5	208.0	862.0	697.8
June	30.3	176.0	220.6	228.4	741.6	209.6	870.0	684.2
July	31.3	181.5	220.8	229.1	738.0	210.1	864.9	642.4
August ..	31.3	182.1	221.3	228.7	740.6	210.5	865.2	632.7
September	31.6	180.6	221.8	228.4	744.0	209.4	870.6	653.1
October .	31.3	180.9	221.8	228.2	742.5	209.2	868.3	682.0
November.	31.4	175.7	221.1	227.9	749.1	208.7	862.7	685.7
December.	31.0	169.2	221.1	227.9	760.7	209.5	858.5	685.8

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production workers (in thousands)	Aggregate weekly Payroll (in millions)	Aggregate weekly Hours (in millions)
1970	1,[illegible]	1,[illegible].5	[illegible].4	1,015.8	$[illegible].3	41.[illegible]
1971	1,[illegible].8	[illegible].1	[illegible].	[illegible].1	[illegible].[illegible]	[illegible].[illegible]
1972	1,[illegible].3	[illegible].	[illegible].0	[illegible].[illegible]	[illegible].	40.[illegible]
1973	1,[illegible].3	1,[illegible].	[illegible].1	1,[illegible].[illegible]	[illegible].[illegible]	41.[illegible]
1974	1,[illegible].6	1,[illegible].1	[illegible].5	1,[illegible].[illegible]	[illegible].	42.3
1975	1,[illegible].3	[illegible].4	[illegible].1	[illegible].3	[illegible].[illegible]	[illegible].
1976	1,[illegible].3	[illegible].	[illegible].	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
1977	1,[illegible].1	[illegible].[illegible]	[illegible].4	[illegible].	[illegible].[illegible]	40.[illegible]
1978	1,[illegible].[illegible]	[illegible].[illegible]	[illegible].	[illegible].[illegible]	[illegible].[illegible]	41.[illegible]
1979	1,[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
1980	1,[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
1980						
December.	1,[illegible].[illegible]	[illegible].[illegible]	[illegible].	[illegible].[illegible]	[illegible].	[illegible].[illegible]
1981						
January .	1,[illegible].[illegible]	[illegible].[illegible]	[illegible].	[illegible].	[illegible].	[illegible].
February.	1,[illegible].[illegible]	[illegible].[illegible]	[illegible].	[illegible].	[illegible].	[illegible].
March ...	1,[illegible].	[illegible].	[illegible].	[illegible].	[illegible].	[illegible].
April ...	1,[illegible].	[illegible].	[illegible].	[illegible].	[illegible].	[illegible].
May	1,[illegible].	[illegible].	[illegible].	[illegible].	[illegible].	[illegible].
June	1,[illegible].	[illegible].	[illegible].	[illegible].	[illegible].	[illegible].
July	1,[illegible].	[illegible].	[illegible].	[illegible].	[illegible].	[illegible].
August ..	1,[illegible].	[illegible].	[illegible].	[illegible].	[illegible].	[illegible].
September	1,[illegible].	[illegible].	[illegible].	[illegible].	[illegible].	[illegible].
October .	1,[illegible].	[illegible].	[illegible].	[illegible].	[illegible].	[illegible].
November.	1,[illegible].	[illegible].	[illegible].	[illegible].	[illegible].	[illegible].
December.	1,164.2	[illegible].	[illegible].	[illegible].	[illegible].	[illegible].

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1970	$[illegible]	$[illegible].[illegible]	$141.48	40.[illegible]	[illegible].[illegible]	40.4	$3.[illegible]	$3.[illegible]	$3.65
1971	167.[illegible]	171.[illegible]	156.[illegible]	40.[illegible]	40.[illegible]	40.4	4.12	4.20	3.[illegible]
1972	189.12	193.[illegible]	178.[illegible]	41.[illegible]	41.[illegible]	40.[illegible]	4.45	4.56	4.22
1973	201.[illegible]	207.[illegible]	186.[illegible]	41.[illegible]	42.[illegible]	41.4	4.[illegible]	4.87	4.49
1974	211.[illegible]	216.[illegible]	196.1	41.[illegible]	41.4	40.[illegible]	5.[illegible]	5.24	4.[illegible]
1975	224.47	228.[illegible]	211.[illegible]	40.[illegible]	40.[illegible]	40.2	5.57	5.68	5.27
1976	250.[illegible]	256.[illegible]	235.[illegible]	41.[illegible]	41.4	41.[illegible]	6.[illegible]	6.[illegible]	5.[illegible]
1977	269.[illegible]	276.[illegible]	250.[illegible]	40.[illegible]	40.[illegible]	41.4	6.74	6.[illegible]	6.[illegible]
1978	300.[illegible]	306.[illegible]	279.[illegible]	42.1	42.[illegible]	41.[illegible]	7.[illegible]	7.[illegible]	6.[illegible]
1979	325.[illegible]	335.[illegible]	297.[illegible]	41.[illegible]	41.[illegible]	41.1	7.[illegible]	8.[illegible]	7.[illegible]
1980	347.[illegible]	358.[illegible]	317.[illegible]	40.[illegible]	40.[illegible]	40.[illegible]	8.[illegible]	8.[illegible]	7.[illegible]
1980									
December.	3[illegible].[illegible]	401.[illegible]	343.49	41.1	42.3	41.5	9.[illegible]	9.[illegible]	8.42
1981									
January .	3[illegible].[illegible]	3[illegible].[illegible]	34[illegible].[illegible]	41.[illegible]	41.1	41.0	9.17	9.44	8.47
February.	3[illegible].[illegible]	3[illegible].[illegible]	343.[illegible]	40.[illegible]	40.[illegible]	40.3	9.22	9.49	8.52
March ...	3[illegible].[illegible]	3[illegible].[illegible]	348.[illegible]	40.[illegible]	41.1	40.7	9.[illegible]	9.[illegible]	8.[illegible]
April ...	3[illegible].[illegible]	3[illegible].[illegible]	354.14	41.[illegible]	41.[illegible]	40.[illegible]	9.44	9.[illegible]	8.68
May	3[illegible].11	4[illegible].[illegible]	357.[illegible]	41.[illegible]	41.4	41.[illegible]	9.47	9.75	8.[illegible]
June	3[illegible].44	411.27	359.98	41.4	41.[illegible]	41.[illegible]	9.[illegible]	9.91	8.78
July	3[illegible].14	4[illegible].[illegible]	3[illegible].[illegible]	4[illegible].[illegible]	40.[illegible]	40.[illegible]	9.[illegible]	9.[illegible]	8.[illegible]
August ..	3[illegible].[illegible]	4[illegible].[illegible]	360.45	40.[illegible]	41.[illegible]	40.[illegible]	9.[illegible]	9.[illegible]	8.[illegible]
September	3[illegible].[illegible]	4[illegible].[illegible]	3[illegible].[illegible]	41.[illegible]	40.[illegible]	41.1	9.[illegible]	9.[illegible]	8.[illegible]
October .	3[illegible].50	4[illegible].[illegible]	364.41	40.4	40.4	40.4	9.74	10.[illegible]	9.[illegible]
November.	3[illegible].45	41[illegible].[illegible]	3[illegible].[illegible]	40.[illegible]	40.[illegible]	40.[illegible]	9.[illegible]	10.[illegible]	9.[illegible]
December.	3[illegible].62	4[illegible].[illegible]	371.28	40.[illegible]	40.[illegible]	40.[illegible]	9.77	10.04	9.10

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43210